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Volume VIII

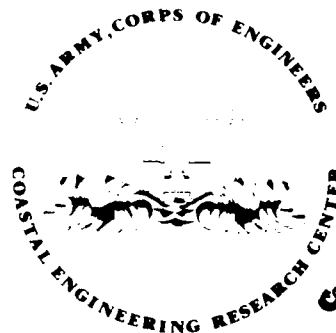
Supporting Appendixes for BPAS User's Guides

by

Marilyn V. Fleming and Allan E. DeWall

TECHNICAL REPORT NO. 82-1 (VIII)

JUNE 1982



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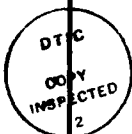
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The first editing program checks for missing or unreasonable data, surveying or note-reducing errors, and improper arrangement of data cards. The second editing program assumes that most errors have been corrected and, while it does some minor editing, its major function is to sort, reformat, and store the data on the selected permanent storage media. It is also used to update or extract data from existing files and performs some preliminary data analysis.

The analysis programs compute changes in shoreline position, selected contour positions, sand level, sand volume, and statistical trends and correlations. The results are plotted in a number of ways for display purposes. Output can be specified for English or metric units and can be referenced to any horizontal or vertical datum. Contour positions, including the shoreline position, are interpolated linearly between adjacent surveyed points on the profile. If a survey does not cross the datum elevation, but does reach a specified minimum elevation (e.g., +2 feet MSL), the shoreline position can be extrapolated using the two seawardmost points. Before computing volume changes, common bonds are established relative to the landward and seaward extent of the surveys on each profile line. The computed area under each profile is then expressed in terms of a "unit volume" for a shore-normal slice that is one unit wide. Rates of change in shoreline position and unit volume are computed by linear regression analysis.

The BPAS package has been designed for use primarily on the CDC 6600 computer, although much of the coding was done in standard FORTRAN for use on other systems.

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PREFACE

This report is published to provide coastal engineers with the documentation of a package of computer programs for editing, analyzing, and displaying beach profile survey data. This package, named the Beach Profile Analysis System (BPAS), was needed for the analysis of a large data bank of field and laboratory profile surveys. The work was carried out under the U.S. Army Coastal Engineering Research Center's (CERC) Beach Profile Studies work unit, Shore Protection and Restoration Program, Coastal Engineering Area of Civil Works Research and Development.

This report (Vol. VIII), the last of eight volumes, contains supporting appendixes that provide information on data collection formatting and restrictions, computational procedures, assumptions, and error messages not repeated in the other volumes.

The report was prepared by Marilyn V. Fleming, Systems Analyst, under the supervision of P. Pierce, Chief, ADP Office, with the assistance of Allan E. DeWall, Geologist, under the supervision of C.J. Galvin, former Chief, Coastal Processes Branch, and Mr. R.P. Savage, Chief, Research Division.


Instrumental insight concerning a previous version of the Beach Profile Analysis System was provided by B. Sims. Programing was accomplished by M. Fleming and T. Lawler with the assistance of D. French, J. Alquist, R. Hylton, and F. Wilson.

The authors acknowledge the helpful discussions and review comments of Drs. C. Everts, C. Galvin, R. Hallermeier, and C. Vincent, and W. Birkemeier, M. Hemsley, T. Lawler, H.C. Miller, B. Sims, and P. Vitale.

Technical Director of CERC was Dr. Robert W. Whalin, P.E., upon publication of this report.

Comments on this publication are invited.

Approved for publication in accordance with Public Law 166, 79th Congress, approved 31 July 1945, as supplemented by Public Law 172, 88th Congress, approved 7 November 1963.


TED E. BISHOP
Colonel, Corps of Engineers
Commander and Director

VOLUME VIII

CONTENTS

	Page
CONVERSION FACTORS, U.S. CUSTOMARY TO METRIC (SI).	5
APPENDIX	
A Glossary of Terms.	7
B Computational Procedures	11
C BPAS Error Messages.	37
D Data Requirements.	49
E Sample Coding Forms.	51
F Sample Survey Input Data, EDIT1 and EDIT2.	55
G Sample Final Data File, EDIT1.	71

CONVERSION FACTORS, U.S. CUSTOMARY TO METRIC (SI) UNITS OF MEASUREMENT

U.S. customary units of measurement used in this report can be converted to metric (SI) units as follows:

Multiply	by	To obtain
inches	25.4	millimeters
	2.54	centimeters
square inches	6.452	square centimeters
cubic inches	16.39	cubic centimeters
feet	30.48	centimeters
	0.3048	meters
square feet	0.0929	square meters
cubic feet	0.0283	cubic meters
yards	0.9144	meters
square yards	0.836	square meters
cubic yards	0.7646	cubic meters
miles	1.6093	kilometers
square miles	259.0	hectares
knots	1.852	kilometers per hour
acres	0.4047	hectares
foot-pounds	1.3558	newton meters
millibars	1.0197×10^{-3}	kilograms per square centimeter
ounces	28.35	grams
pounds	453.6	grams
	0.4536	kilograms
ton, long	1.0160	metric tons
ton, short	0.9072	metric tons
degrees (angle)	0.01745	radians
Fahrenheit degrees	5/9	Celsius degrees or Kelvins ¹

¹To obtain Celsius (C) temperature readings from Fahrenheit (F) readings, use formula: $C = (5/9) (F - 32)$.

To obtain Kelvin (K) readings, use formula: $K = (5/9) (F - 32) + 273.15$.

APPENDIX A

GLOSSARY OF TERMS

BENCH MARK - A permanently fixed point of known position and elevation.

CONTOUR - A line of constant elevation along the beach surface.

CONTOUR INTERCEPT - The point defined by the seawardmost intersection of a contour with a beach profile. On some profiles, there may be more than one intercept of a given contour, (e.g., MULTIPLE INTERCEPT).

CONTOUR POSITION - The intersection of a horizontal plane and the beach surface.

DATUM INTERCEPT - The seawardmost point where a profile crosses the VERTICAL DATUM plane (e.g., the SHORELINE POSITION).

DATUM, VERTICAL - The zero elevation.

INPUT - The vertical datum to which survey input data are referenced.

OUTPUT - The vertical datum to which the data represented in output plots and tables are referenced.

DATUM, HORIZONTAL - The zero distance.

INPUT - The horizontal datum, usually BENCH MARK, to which survey input data are referenced.

OUTPUT - The horizontal datum to which the data represented in output plots and tables are referenced (e.g., SHORELINE POSITION during REFERENCE SURVEY, dune crest position, etc.).

DEFAULT VALUE - The value automatically assigned to a variable when no value is assigned by the user.

DISTANCE - The horizontal coordinate of a point on a beach PROFILE, measured positively seaward from a fixed point on the PROFILE LINE (e.g., BENCH MARK).

ELEVATION - Vertical coordinate of a point on a beach PROFILE measured positively upward from a known VERTICAL DATUM.

EXTRAPOLATED DATUM - The SHORELINE position when it has been extrapolated using the last two surveyed points.

INPUT UNITS - Units of measurement in which the survey input data are recorded.

LANDWARD BOUNDARY - The distance identifying the landward end of the PROFILE.

LOCALITY - A unique place where survey data are located (e.g., Atlantic City, Bodie Island, etc.).

LOCALITY CODE - Two-character representation of the locality.

LOCALITY DESCRIPTION - User-supplied name of the locality or a description of the data.

MULTIPLE INTERCEPT - A point where a specific CONTOUR crosses the PROFILE that is in addition to the seaward intercept.

OUTPUT UNITS - Units of measurement of data displayed on output plots and tables.

PROFILE - The curve defined at the intersection of the ground surface with a vertical plane inserted perpendicular to it.

PROFILE AREA - The area bounded above by a PROFILE, landward by a vertical line, below by a horizontal line and seaward by a vertical line.

PROFILE ENVELOPE - The area bounded by the maximum and minimum elevations found at distances along a PROFILE LINE.

PROFILE LINE - The line defined by two fixed points or by one fixed point and a known angle, along which surveyors measure distances and elevations to define a beach PROFILE.

PROFILE LINE NUMBER - The unique number assigned to each PROFILE LINE.

REFERENCE SURVEY - The survey of a PROFILE LINE which defines a standard value to which subsequent values are referenced (e.g., SHORELINE position or UNIT VOLUME).

SEAWARD BOUNDARY - The distance identifying the seaward end of the PROFILE. UNIT VOLUME is computed from this point landward.

SHORELINE - The seawardmost intercept of the VERTICAL DATUM plane with the beach.

SPATIAL MEAN - The mathematical average of a set of variables collected from a number of PROFILE LINES during a single SURVEY.

SURVEY - An event during which one or all of the PROFILE LINES at a LOCALITY are surveyed.

SURVEY NUMBER - The unique number assigned to each set of profile data surveyed during the same time.

TEMPORAL MEAN - The mathematical average of a set of variables collected during a number of SURVEYS at a single PROFILE LINE.

UNIT VOLUME - The product of a cross-sectional area and a unit of length perpendicular to the area. Given as units of volume per length of shoreline (e.g., m^3/m or yd^3/ft).

UNIT VOLUME BY CONTOUR - Unit volume computed within slices bounded by specific CONTOURS.

UNIT VOLUME, ZERO - The unit volume which establishes the standard for computing change in unit volume during SURVEYS of a PROFILE LINE. This volume is subtracted from volumes found during other SURVEYS.

UNIT VOLUME, CHANGE - The difference between unit volumes measured during two SURVEYS.

APPENDIX B
COMPUTATIONAL PROCEDURES

CONTENTS

	Page
SYMBOLS AND DEFINITIONS.	1
I EXTRAPOLATION OF SHORELINE POSITION.	14
II COMPUTING DISTANCES TO GIVEN ELEVATIONS.	15
III DETERMINING THE SLOPE OF A PROFILE AT THE SHORELINE.	16
IV COMPUTING MEAN DISTANCE--TEMPORAL.	16
V COMPUTING MEAN DISTANCE--SPATIAL	17
VI COMPUTING MEAN DISTANCE--SPATIAL TEMPORAL.	18
VII COMPUTING ELEVATIONS AT FIXED DISTANCES.	18
VIII DETERMINING THE MAXIMUM AND MINIMUM ELEVATIONS AT FIXED DISTANCES ALONG A PROFILE LINE.	21
IX COMPUTING UNIT VOLUME.	27
1. Determining Boundaries.	27
2. The Computation	27
X COMPUTING THE MEAN UNIT VOLUME	30
XI COMPUTING STATISTICAL TRENDS AND CORRELATIONS.	30
1. Correlation Coefficients.	33
2. Regression Line--Least Squares Fit.	33
3. Standard Deviation.	34
XII ELAPSED TIME	35
1. Hours, Days, or Years	35
2. Months.	36

SYMBOLS AND DEFINITIONS

A	an area
C	conversion factor to convert area to unit volume
c	elevation of a contour
d	distance from a profile line to the adjacent one
H _{tot}	hours elapsed since the time of first survey
i	integer identifying position (i=1 for landwardmost) of coordinate pair in the array defining a surveyed profile line
j	number of surveys of a locality
k	number of surveys for which a value can be computed or defined
l	integer identifying each survey
M _{comp}	months elapsed since time of first survey
M _{tot}	months elapsed from the beginning of the year of a particular survey
m	integer identifying each profile line at a locality
n	number of profile lines at a locality
P	a selected distance on a profile line
q	the number of distance and elevation pairs defining a survey of a profile line
r	correlation coefficient
S	slope of a line
s	subscript identifying a mean as spatial
T ₀	zero time, the time the earliest survey in the survey data file was taken
t	subscript identifying a mean as temporal
u	distance along the beach from the end profile lines for which the computed distance to a contour may be considered valid
V	unit volume of a profile
w	weighting factor used to compute spatial means
XLAND	landward distance boundary for area computations

SYMBOLS AND DEFINITIONS--Continued

XSEA	seaward distance boundary for area computations
X, Y	independent and dependent variables used in regression analysis
x	surveyed or computed distance coordinate on a profile
YMAX	upper elevation boundary for area computations
YMIN	lower elevation boundary for area computations
y	surveyed or computed elevation coordinate
α	intercept of regression line
β	regression coefficient
σ	standard deviation

APPENDIX B

COMPUTATIONAL PROCEDURES

I. EXTRAPOLATION OF SHORELINE POSITION

Since some records may not be included in certain computations because the profiles they describe do not extend to the shoreline, the user may decide that the distance to the shoreline should be extrapolated and added as a surveyed point. When allowing extrapolation, the user is assuming that the beach slopes evenly from a selected minimum elevation to the shoreline. The criteria for extrapolation are as follows:

- (a) The elevation of the last surveyed point must not exceed the selected minimum elevation.
- (b) The slope of the line connecting the last two surveyed points must be negative (beach is sloping seaward).

Using the last two surveyed points in the record, (x_i, y_i) and (x_{i+1}, y_{i+1}) and the elevation at the shoreline, 0, the equation of the line connecting the last two points is solved for the distance to the 0 elevation:

$$x = x_{i+1} - \frac{y_{i+1}(x_i - x_{i+1})}{(y_i - y_{i+1})} \quad (B-1)$$

This point is added to the record as the last surveyed point and a flag set for the record indicating that the shoreline was extrapolated. All output results computed using extrapolated data are flagged. For all further computations, the record is treated as if it had a shoreline.

II. COMPUTING DISTANCES TO GIVEN ELEVATIONS

This computation is utilized in the BPAS routines to interpolate the distance to the shoreline and in any instance when it is necessary to find the distance at a specific elevation, but its most extensive application is in the analysis module SURVY2 which computes and displays distance and changes in distance to selected contours. To find the seawardmost distance to these contours, each surveyed point, beginning with the seawardmost and proceeding landward, is tested until the elevation of the desired contour is either the same as the elevation of a surveyed point or falls between the elevations of two adjacent surveyed points. When the elevation is the same, the distance is as surveyed and no further computation is required. Otherwise, the equation of the line through the two adjacent points, (x_i, y_i) , (x_{i+1}, y_{i+1}) , is solved for the distance coordinate at the desired elevation, c :

$$xc = x_{i+1} + \frac{(c - y_{i+1})(x_i - x_{i+1})}{(y_i - y_{i+1})} \quad (B-2)$$

For each contour, a flag is set to indicate whether the distance was surveyed or interpolated, whether the computation required the use of an extrapolated shoreline position, or whether the desired contour was undefined by the survey data.

At times, a contour may be defined on a profile more than once, such as when a dune or a sandbar is surveyed (Fig. B-1). Provision has been made to compute and display the distance to up to 10 of these multiple intercepts if such is desired. Unless otherwise indicated, however, only the distance to the seawardmost will be computed. In further computations involving contour positions, the seawardmost distance is used.

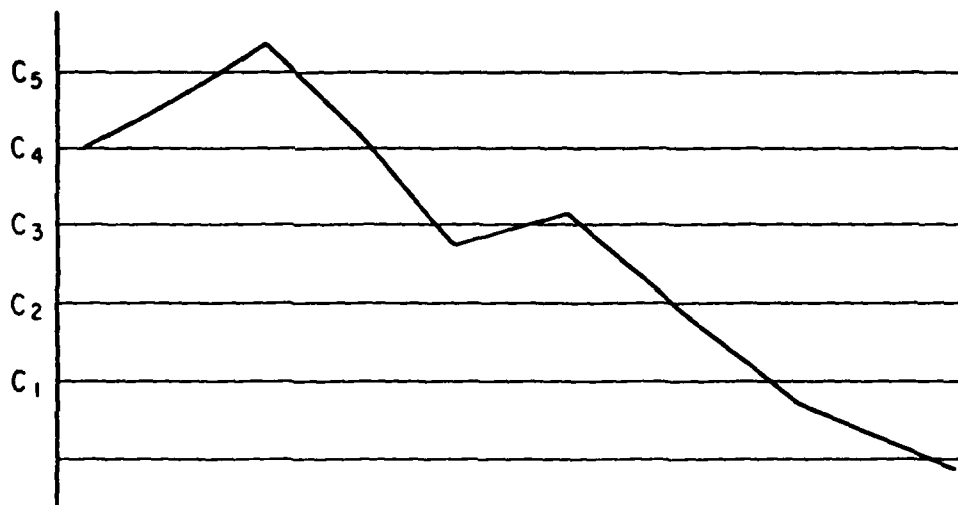


Figure B-1. Multiple contour intercepts. The contours C_3 , C_4 , and C_5 all have "multiple intercepts" on the defined profile.

III. DETERMINING THE SLOPE OF A PROFILE AT THE SHORELINE

In the BPAS routines, the slope at the shoreline of the profile defined by each record is computed. When the shoreline position is interpolated, the slope of the line through the two points between which it falls is used. If the shoreline is defined by a surveyed or extrapolated point, the slope of the line through the shoreline and the next landward point is used:

$$S = \frac{y_{i+1} - y_i}{x_{i+1} - x_i} \quad (B-3)$$

IV. COMPUTING MEAN DISTANCE--TEMPORAL

The temporal mean is a simple mean used to determine the mean position of a contour at a profile line considering all surveys taken at that line. It is used to compute the mean shoreline position in the BPAS routines, when such is selected as output horizontal datum, and in the BEACH analysis module. In analysis module SURVY2, the mean position of selected contours at each profile line is computed using this method. The mean is determined by adding the

distance to the contour for each survey of the profile line and dividing by the number of surveys during which the distance could be computed. Surveys during which the distance could not be defined, because the contour did not exist, are ignored.

Letting

- c be a consecutive integer identifying each survey of the profile line,
- $x_{c,j}$ be the distance to the contour c during survey j ,
- $x_{c,j}$ be 0 for surveys during which the position of contour c cannot be defined,
- j be the total number of times the profile line is surveyed, and
- k be the number of surveys during which an $x_{c,j}$ can be computed.

The mean contour position for contour c at each profile line:

$$(\bar{x}_c)_t = \frac{\sum_{j=1}^j x_{c,j}}{k} \quad (B-4)$$

V. COMPUTING MEAN DISTANCE--SPATIAL

Analysis module SURVY2 is the only module which utilizes this procedure. It yields the mean position of the selected contours for a given survey. The position of each contour on all profile lines surveyed is considered and a weighted mean is computed. The weighting factor for each profile line is unique and based on the following assumptions:

- (a) The profile lines are parallel.
- (b) Each profile is representative of the beach for a distance halfway to the adjacent ones; the user must provide an appropriate representative distance for the end profile lines.

The user provides the distance between the adjacent profile lines; if none are supplied, the lines are assumed to be equidistant and a simple mean is computed. Using the profile spacing provided, the weighting factor is computed for each profile line by adding half the distance to the profile line to its left to half the distance to the one on its right (Fig. B-2). The distance to each contour at each profile line is multiplied by the weighting factor for that line and the results added for all the lines. This sum is divided by the sum of all the weighting factors to determine the mean spatial position for each contour.

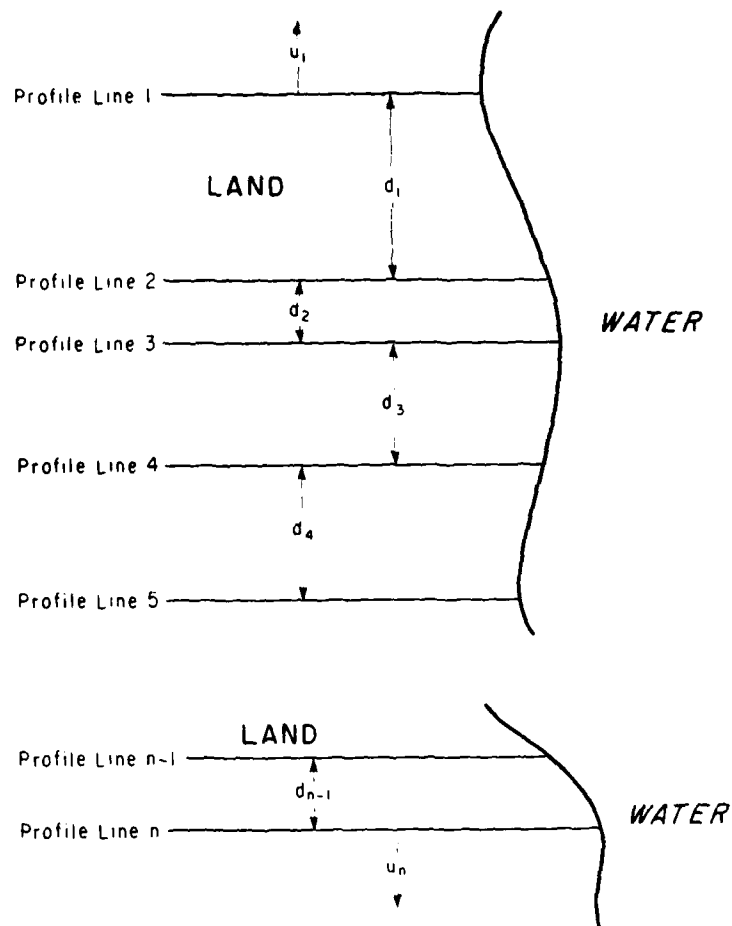


Figure B-2. Distances used to determine the weighting factor.

Letting

- m be a consecutive integer identifying each profile line at the locality,
- n be the number of profile lines at the locality,
- u_1, u_n be the representative distances for the end profile lines, and
- d_m be the distance from profile line m to $m + 1$ (Fig. B-2).

The weighting factors for the end profile lines

$$w_1 = u_1 + \frac{d_1}{2} \quad (\text{B-5})$$

and

$$w_n = u_n + \frac{d_{n-1}}{2} \quad (\text{B-6})$$

The weighting factor for each internal profile line

$$w_m = \frac{d_{m-1}}{2} + \frac{d_m}{2} \quad (\text{B-7})$$

and letting

x_{c_m} be the distance to the seawardmost intercept of contour c , and
 w_m be 0 for profile lines not surveyed or at which the position of contour c is not defined.

The mean position of the contour c during each survey

$$(\bar{x}_c)_S = \frac{\sum_{m=1}^n w_m x_{c_m}}{\sum_{m=1}^n w_m} \quad (\text{B-8})$$

It should be noted that when a contour cannot be defined at a profile line, it is as if the profile line and the part of the beach represented by it *do not exist* (Fig. B-3).

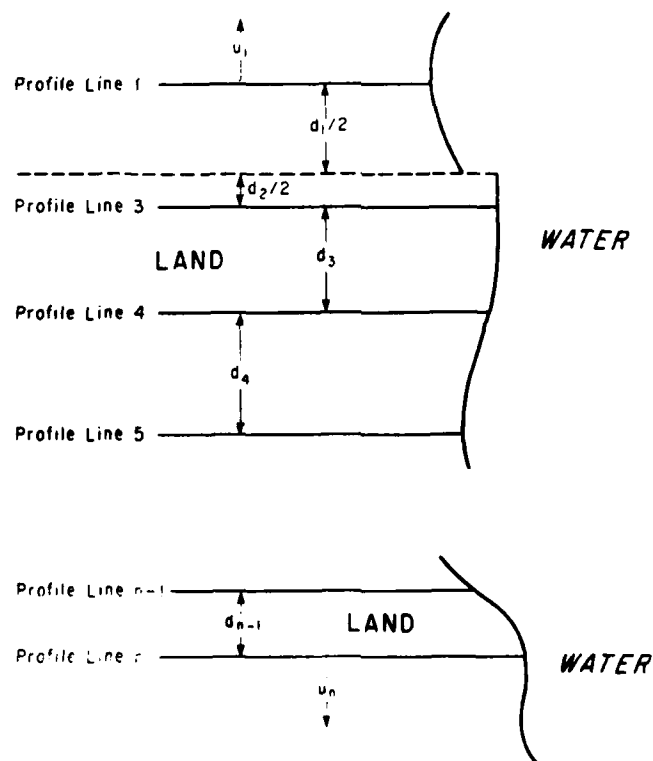


Figure B-3. Spatial mean contour position when the contour for which the spatial mean is being computed is not defined at profile line 2.

VI. COMPUTING MEAN DISTANCE--SPATIAL-TEMPORAL

Used exclusively by analysis module SURVY2, the spatial-temporal mean is computed to give an average profile at a locality as defined by all surveys taken at that locality. It is the temporal mean of the position of each selected contour computed using the spatial mean of the contour found during each survey.

Letting

- ℓ be a consecutive integer identifying each survey at a locality,
- $(\bar{x}_c)s_\ell$ be the mean position of the contour c at the locality during survey ℓ ,
- $(\bar{x}_c)s_\ell$ be 0 for surveys during which it cannot be computed,
- j be the number of surveys at the locality, and
- k be the number of surveys at the locality during which $(\bar{x}_c)s_\ell$ was defined.

The mean contour position for contour, c

$$\bar{x}_c = \frac{\sum_{\ell=1}^j (\bar{x}_c)s_\ell}{k} \quad (B-9)$$

VII. COMPUTING ELEVATIONS AT FIXED DISTANCES

The procedure used for this computation is quite similar to the one used to compute distances at specific elevations. The major difference is that there is usually only one elevation at a specific distance during a given survey of a profile line. When there is a scarp defined by two elevations at a distance, the elevation with the higher subscript is used. Although used whenever it is necessary that the elevation at a specific distance be known, this procedure is mainly used in the analysis module ELVDIS to compute and display elevations and elevation changes and the maximum and minimum elevations at fixed distances along each profile line.

Beginning at the seawardmost point, each coordinate pair is tested until the fixed distance under consideration is either equal to the distance coordinate of a surveyed point or found to lie between two adjacent surveyed points. Of course, when the fixed distance is at a surveyed point, the corresponding elevation is known. If not, the equation of the line through the two adjacent points (x_i, y_i) , (x_{i+1}, y_{i+1}) , is solved for the elevation at the fixed distance, p :

$$y_p = y_{i+1} + \frac{(p - x_{i+1})(y_i - y_{i+1})}{(x_i - x_{i+1})} \quad (B-10)$$

For each fixed distance a flag is set to indicate whether the associated elevation was surveyed or found through normal interpolation, whether the computation required the use of an extrapolated shoreline, or whether the fixed distance was undefined by the survey data.

VIII. DETERMINING THE MAXIMUM AND MINIMUM ELEVATIONS AT FIXED DISTANCES ALONG A PROFILE LINE

Using the procedure defined above, elevations are found at fixed distances along the profile line, compared, and the maximums and minimums saved. The profile envelope thus formed is composed of the maximums and minimums for all surveys at the profile line or, if desired, only for surveys during each year covered by the data. In the latter case, there will be an envelope for every year during which there was at least one survey at the profile line.

IX. COMPUTING UNIT VOLUME

The analysis modules in the BPAS using unit volume are BEACH and VOLCTR. The unit volume is actually a volumetric representation of an area determined by computing the area within boundaries defined by an upper and lower elevation, a landward and seaward distance, and the profile. This area is extended laterally along one unit length of the coast to give a volumetric representation of the beach at the profile line (Fig. B-4). If the lower elevation boundary is less than zero, two unit volumes are computed: one for the area below the zero elevation and one for the area above.

All unit volume computations are performed in a single subroutine. The coordinate pairs describing the profile, the upper and lower elevation boundaries, and the landward and seaward distance boundaries are passed to this subroutine. The subroutine computes the area within the given boundaries, two areas when the area below the zero elevation is required, converts area to unit volume, and returns the unit volume to the calling routine. The necessary boundaries for the area computation are determined by the calling routine.

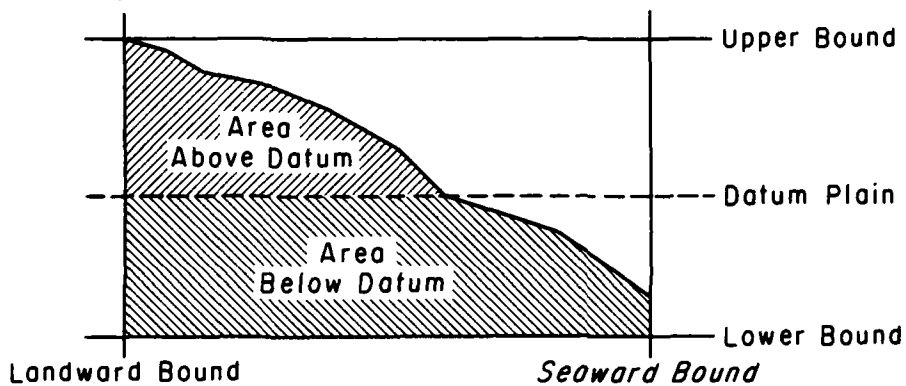
1. Determining Boundaries

When discussing boundaries, reference is made to the previous description in Volume I (Sec. IV) of the three types of profiles which can be processed by the BPAS.

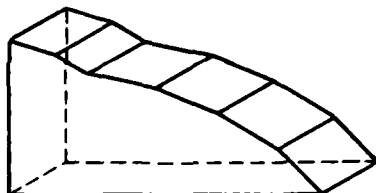
a. Analysis Module VOLCTR--Total Unit Volume and Unit Volume by Contour.

In analysis module VOLCTR, two types of unit volume are computed: total unit volume and unit volume by contour. The total unit volume in VOLCTR is computed with as much of the survey data as possible for each survey of a profile line (Fig. B-5). There are no user-supplied or computed upper and lower elevation boundaries or landward and seaward distance boundaries. For type 1 and 2 profiles, the part of the area above the zero elevation within the following boundaries is computed.

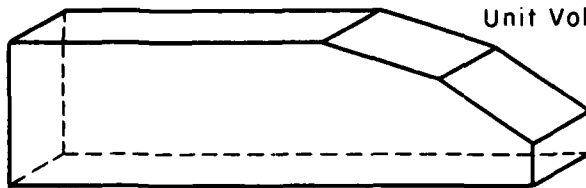
1. Compute Area (u^2)



2. Extend Area Along One Unit of Beach from

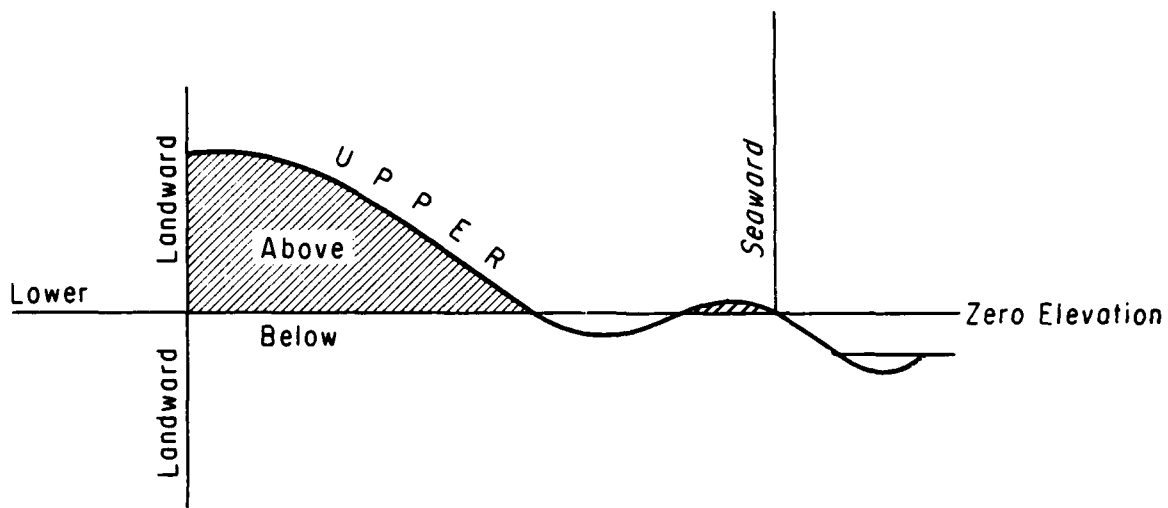


Unit Volume Above Datum (u^3/u)

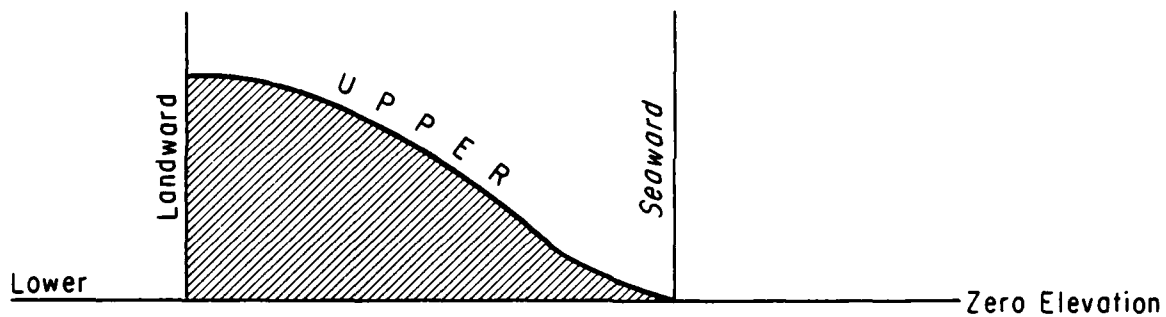


Unit Volume Below Datum (u^3/u)

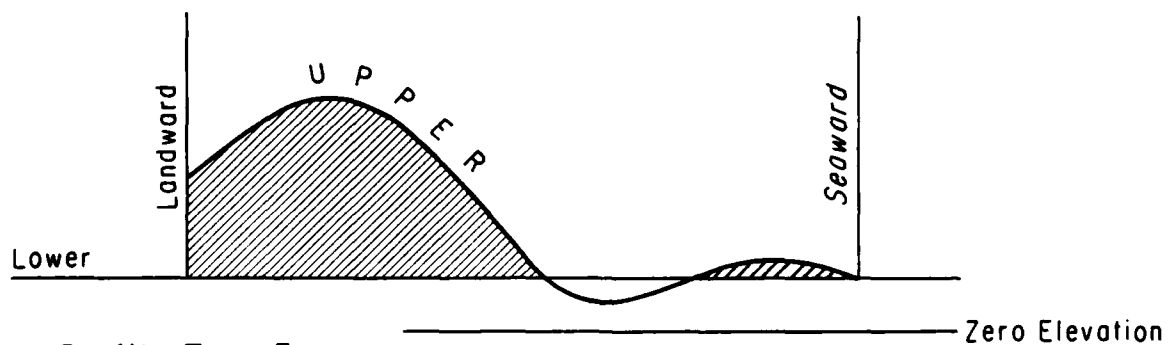
Figure B-4. Determining unit volume.



Profile Type 1



Profile Type 2



Profile Type 3

Figure B-5. Boundaries for total unit volume computations--VOLCTF.

Landward--landwardmost distance
Seaward---seawardmost intercept of the zero elevation
Upper-----profile surface
Lower-----zero elevation

For type 3 profiles, the landward and upper boundaries remain unchanged. The others are:

Lower-----elevation of last, *not lowest* surveyed point
Seaward---distance to last surveyed point

The purpose of the unit volume by contour computations in analysis module VOLCTR is to compare unit volume changes within specific contour intervals from one survey of a profile line to the next; the overall boundaries used are therefore determined based on common area between the two surveys. Although these comparisons are made only for the part of the profiles above the zero elevation, it is not necessary that a profile extend to the zero elevation in order to qualify for these unit volume computations. The comparison is made for all contour intervals which the consecutive surveys of the profile line have in common (Fig. B-6). The horizontal segments within which unit volume changes are compared are consistent. The contour defining the bottom of the lowest segment is zero or some user-selected minimum greater than zero and each segment is the same width, normally one unit. The overall boundaries are computed and then the unit volume within the appropriate segments is computed and the change within each segment determined by subtracting the unit volume found during the previous survey from the one for the current survey.

The upper and lower boundaries for the volume computations do not always fall directly on a contour defining the limit of one of the horizontal segments. When this happens on the upper part, there is no problem since the profile surface serves as the upper boundary for the volume computation. However, when it happens at the lower boundary, it is necessary to compute the width of a partial segment for the first comparison. Unit volumes within these partial intervals are output for TABLE10 (Vol. I, Fig. 37) and PLOT11 (Vol. I, Fig. 39), and are not output for TABLE11 (Vol. I, Fig. 38) or PLOT12 (Vol. I, Fig. 40).

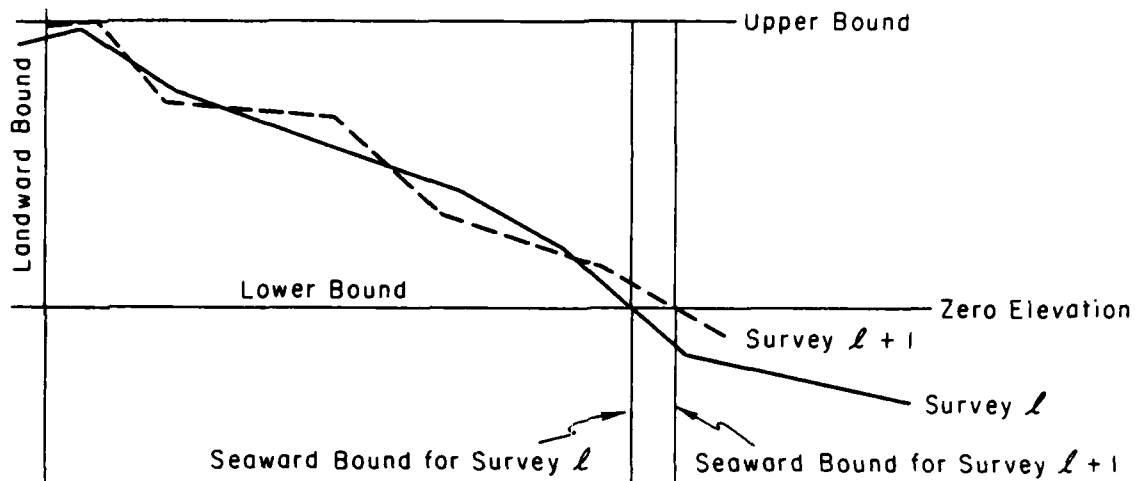
The boundaries for the overall computation, based on the data from the two surveys of the profile line to be compared, are as follows:

Landward--the landwardmost distance in common to both surveys of the
profile line

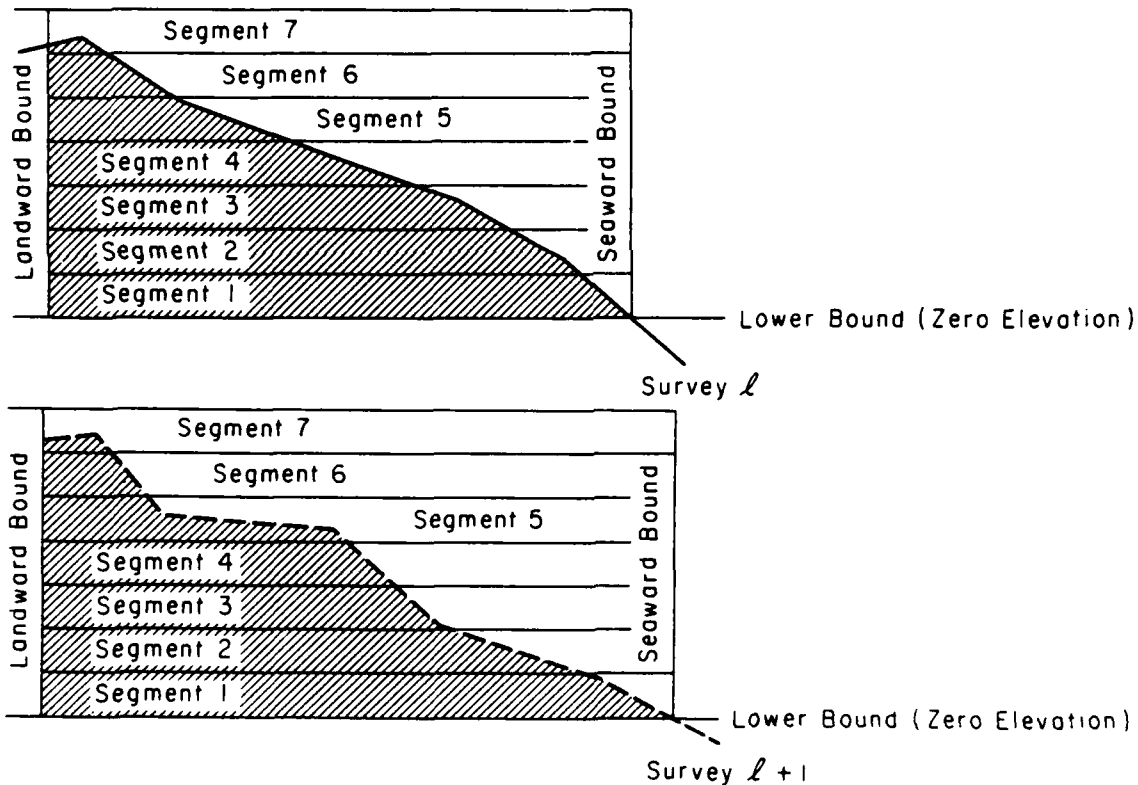
Seaward---the seawardmost intercept of the lower bound

Upper-----the profile surface or a user-defined upper contour,
whichever is lower

(1) Determine common boundaries



(2) Divide profiles into horizontal segments



(3) Compute area for each segment. Convert to unit volume.

(4) Change in unit volume at segment 1 from survey i to survey $i+1$ at the profile line is unit volume for segment 1 during survey $i+1$ minus unit volume for segment 1 during survey i .

Figure B-6. Unit volume by contour (consecutive surveys at the same profile line).

Lower-----the zero elevation, a user-defined lower contour or the greater of the elevations at the seawardmost point of the two surveys, whichever of the three is highest

The boundaries for each segment which falls within the common area are passed separately to the subroutine which computes and returns the unit volume for the segment. The calling routine computes the change.

b. Analysis Module BEACH--Total Unit Volume Above and Below Vertical Datum. The unit volume computations in analysis module BEACH determine changes in unit volume at the various profile lines. The boundaries for the unit volume computations are therefore determined by all surveys taken at specific profile lines. Some surveys of a profile line may be eliminated from computations when certain criteria are not met and, since there are more requirements imposed for unit volume below vertical datum computations, it is possible that for a given survey, the unit volume above the vertical datum will be computed while the unit volume below will not.

The criteria for unit volume above the vertical datum computations are as follows:

(1) The survey must describe a type 1 or a type 2 profile (Vol. I, Sec. IV).

(2) The distance to the landwardmost point must be less than or equal to the input horizontal datum (zero). This criteria may be changed if the user wishes to supply a minimum beginning distance. If the reference unit volume is user-supplied, the user must also supply a landward boundary for these computations; the profile must begin no farther seaward than this boundary.

The boundaries for the unit volume above vertical datum computations in analysis module BEACH are:

Landward--if not user-supplied, the landwardmost point in common to all surveys of the profile line which meet the necessary criteria

Seaward---seawardmost intercept of the zero elevation. It is probable that this will be at a different point for each survey of the profile line

Upper-----the profile surface or a user-selected elevation, whichever is lower

Lower-----zero elevation

The criteria for the unit volume below vertical datum computations:

(1) The user must specify that the unit volume below vertical datum computations are to be performed.

(2) The profile must be a type 1 profile which meets the criteria for unit volume above vertical datum computations.

(3) The user must supply as a tolerance a distance seaward of the *output* horizontal datum. If the last surveyed point is less than this tolerance, the survey of the profile line is eliminated from further processing for unit volume below the vertical datum. When the reference unit volume below is supplied by the user, tolerance for each profile line must also be supplied.

The boundaries for the unit volume below vertical datum computations in analysis module BEACH are:

Landward--landward boundary used for the unit volume above vertical datum computation

Seaward---if not user-supplied, the seawardmost distance is common to all surveys of the profile line which meet the necessary criteria

Upper-----the zero elevation

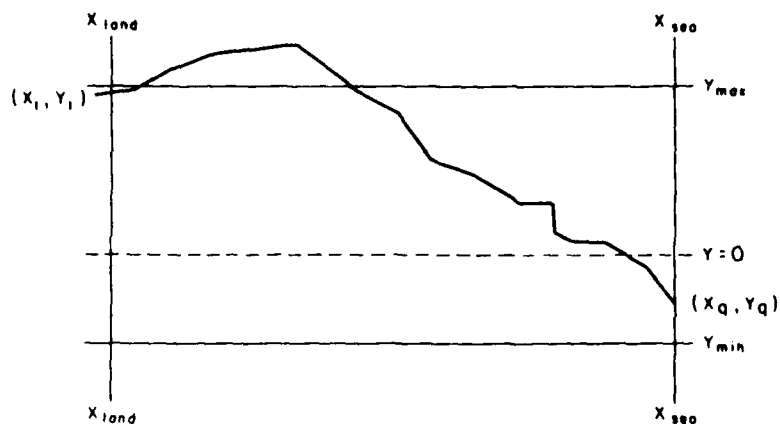
Lower-----100 units or some user-supplied lower elevation. If an elevation is less than the defined lower boundary, a message is printed and the lower boundary is changed to the new minimum. This becomes the lower boundary for all unit volume below datum computations at the profile line being processed and for all profile lines to be processed. It does not affect previously analyzed profile lines.

For the unit volume below vertical datum computations, a vertical is dropped from the profile elevation at the seaward boundary to the elevation of the lower boundary (as shown in Fig. B-4).

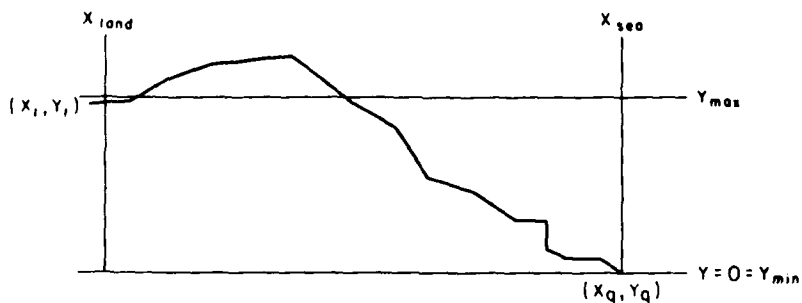
2. The Computation.

As discussed earlier, subroutine VOLCTR receives survey data and boundary information, computes the area, and converts it to unit volume. When VOLCTR receives the survey data, it first examines the data to determine if there is an area to be computed below vertical datum. If there is, the area for the part below is computed and then the area for the part above is computed. When the area for the part above is being computed, the seawardmost intercept of the zero elevation becomes, for computational purposes, the seawardmost point.

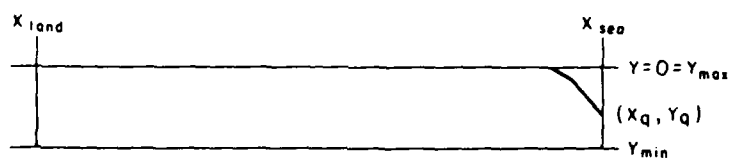
After boundaries are established, the area is computed. Beginning with the seawardmost point and moving landward, each set of adjacent coordinate pairs is examined until the seaward boundary has been crossed. The computations for area begin here and continue until the landward boundary is crossed. Each segment of the profile, as defined by two adjacent coordinate pairs, is considered and the area beneath each segment which falls within the defined boundaries is computed and accumulated. The total area is then multiplied by the supplied conversion factor to yield unit volume and the result returned to the calling routine. Figure B-7 provides a schematic of the procedure and, because the number of possible paths prohibits a simpler representation of the computation, the logic of the subroutine is provided as follows.



1 Profile Broken Into Two Parts
(a) Part Above Vertical Datum



(b) Part Below Vertical Datum



2 Compute Area for Part Below Vertical Datum
Sum of Partial Areas A_1, A_2, A_3, \dots = Segment
Area A_i . Sum of A_i = Area Below, A_b

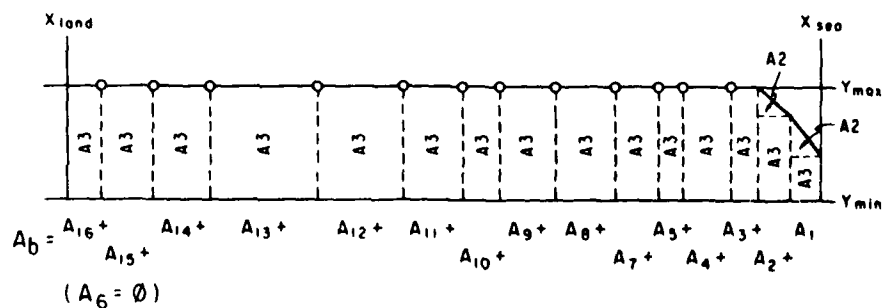
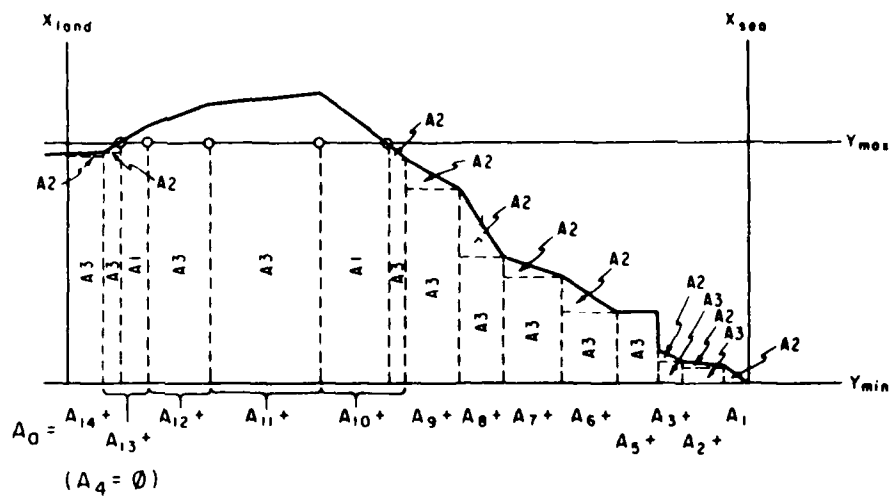
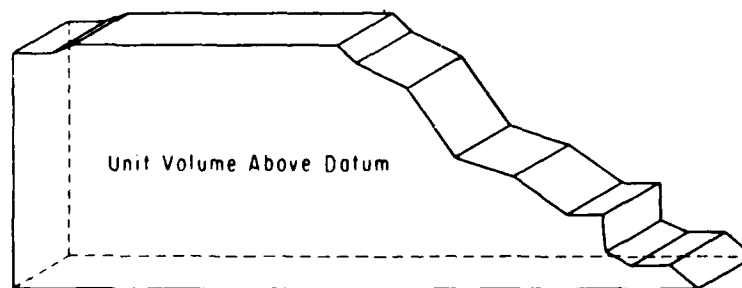


Figure B-7. Survey data and boundary information received by VOLCTR.

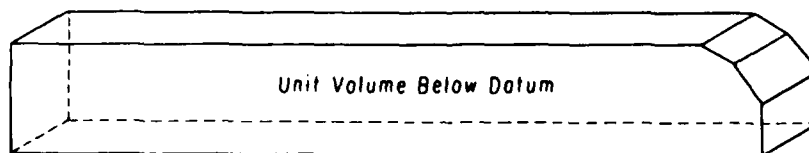
3 Compute Area for Part Above Vertical Datum



4 Convert Areas to Unit Volumes



$$V_0 = A_0 \times C$$



$$V_b = A_b \times C$$

Figure B-7. Survey data and boundary information received by VOLCTR.

The part of the total area represented by each line segment, from coordinate (x_i, y_i) to (x_{i+1}, y_{i+1}) , is called A_i . Each A_i is broken down as necessary so that it is composed of rectangles and triangles; up to three components may be required to thus represent a given A_i (Fig. B-8). These pieces will be called A_1 , A_2 , and A_3 and will be reset to zero before each A_i is computed. For simplicity, also let $(X1, Y1)$ represent (x_i, y_i) and $(X2, Y2)$ represent (x_{i+1}, y_{i+1}) . These also will be appropriately reset before the computation of the successive A_i 's. The boundaries are represented as follows.

YMAX---the upper elevation boundary
 YMIN---the lower elevation boundary
 XSEA---the seaward distance boundary
 XLAND---the landward distance boundary

Because of the control in the calling routine, there will never be a case where the seawardmost point is landward of the seaward boundary or that the landwardmost point is seaward of the landward boundary. The changing of the values of $(X1, Y1)$ and $(X2, Y2)$ does not affect the values of (x_i, y_i) , (x_{i+1}, y_{i+1}) .

Beginning at the seawardmost point, each consecutive set of coordinate pairs is tested until all the following conditions are met:

- (a) $X1 < XSEA$
- (b) $Y1 > YMIN$ or $Y2 > YMIN$
- (c) $X1 \neq X2$

Condition (a) indicates the area computations may begin while conditions (b) and (c) assure that $A_i \neq 0$.

Determine if any boundaries are crossed and make appropriate adjustment if so.

```

If      X1 < XLAND
    then X1 = XLAND
        Use equation (B-10) to find the elevation at XLAND.
        Let this be Y1.

If      X2 > XSEA
    then X2 = XSEA
        Use equation (B-10) to find the elevation at XSEA.
        Let this be Y2.

If      Y1 < YMIN
    Then Y1 = YMIN
        Use equation (B-2) to find the distance to YMIN.
        Let this be X1.
```

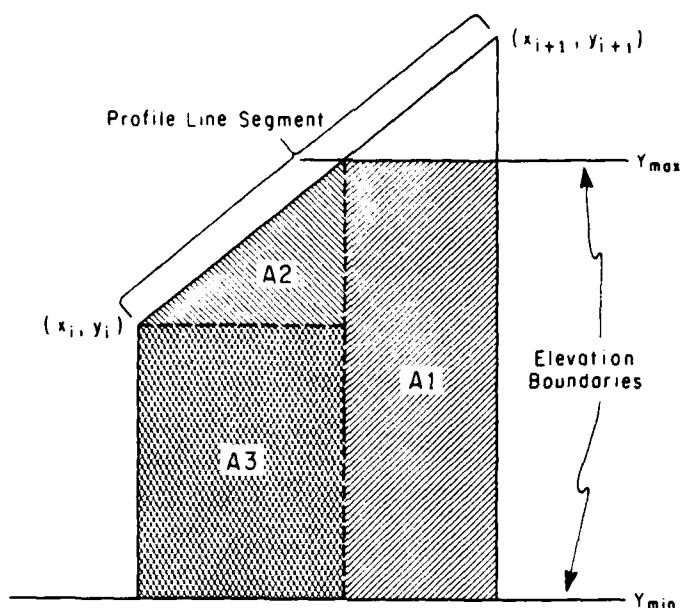


Figure B-8. Component parts for area computations.

```

If      Y2 < YMIN
    then Y2 = YMIN
        Use equation (B-2) to find the distance to YMIN.
        Let this be X2.

If      Y1 < YMAX and Y2 > YMAX
    then Y2 = YMAX
        Use equation (B-2) to find the distance to YMAX.
        Let this be X3.
        A1 = (X2 - X3) (Y2 - YMIN)
        Let X2 = X3.

If      Y1 > YMAX and Y2 < YMAX
    then Y1 = YMAX
        Use equation (B-2) to find the distance to YMAX.
        Let this be X3.
        A1 = (X3 - X1) (Y2 - YMIN)

If      Y1 > YMAX
    then Y1 = YMAX

If      Y2 > YMAX
    then Y2 = YMAX
  
```

Compute the area under the line segment and within the pertinent boundaries:

Y3 = the greater of Y1 and Y2

$Y4 = \text{the lesser of } Y1 \text{ and } Y2$

$A2 = (X2 - X1) (Y3 - Y4)/2$

$A3 = (X2 - X1) (Y4 - YMIN)$

$A = A1 + A2 + A3 \text{ (Fig. B-13)}$

The next two coordinate pairs are considered and the next A_i computed until $X2 \leq XLAND$. The required area has then been computed.

Letting

q be the number of coordinate pairs, and

A_i be zero for all line segments where $X_i \geq XSEA$ and $X_{i+1} \leq XLAND$.

The area of the profile within the provided boundaries:

$$A = \sum_{i=1}^{q-1} A_i \quad (B-11)$$

Letting

C be the appropriate factor to convert squared output units to cubed units. The unit volume of the profile within the provided boundaries:

$$V = AC \quad (B-12)$$

X. COMPUTING THE MEAN UNIT VOLUME

In the analysis module BEACH, the mean unit volume is computed for the surveys taken at each profile line. If it has been requested that the unit volume below vertical datum computation be performed, there is a mean computed for the unit volume below the zero elevation as well as for the part above. Otherwise, the mean unit volume is only for that part of the profile line above the zero elevation. The mean is a simple mean computed by adding the appropriate unit volume during each survey of the profile line and dividing by the number of surveys for which the unit volume could be computed. As discussed earlier on boundary determination, conditions required for allowing a computation of unit volume below vertical datum are more stringent than those required for unit volume above. It is thus possible that the denominator in the computation of the means vary. Using the appropriate number of surveys for k and the unit volume rather than the distance x_0 , the computation for mean unit volume is represented by equation (B-4).

XI. COMPUTING STATISTICAL TRENDS AND CORRELATIONS

Some basic statistical analysis is performed in the analysis modules BEACH, SURVY2, and VOLCTR.

1. Correlation Coefficients.

In analysis module SURVY2, the correlation coefficient for change in shoreline position from the reference position (dependent, Y) versus elapsed time (independent, X) is computed, if requested, for all surveys at each profile line.

In analysis module BEACH, the following correlation coefficients are computed for surveys at each profile line, if requested:

(a) Change in unit volume above the vertical datum (dependent, Y) versus change in distance to shoreline (independent, X) between consecutive surveys.

(b) Change in unit volume above the vertical datum (dependent, Y) versus change in distance to shoreline (independent, X) from the selected reference volume or position.

(c) Change in unit volume above the vertical datum (dependent, Y) versus change in unit volume below the vertical datum (independent, X) between consecutive surveys.

(d) Change in unit volume above vertical datum (dependent, Y) versus change in unit volume below the vertical datum (independent, X) from the selected reference volumes.

Letting

k be the number of surveys at the profile line for which both X and Y can be computed, the correlation coefficient (Crow, Davis, and Maxfield, 1960⁴) is

$$r = \frac{k\sum XY - \sum X \sum Y}{\sqrt{[k\sum X^2 - (\sum X)^2][k\sum Y^2 - (\sum Y)^2]}} \quad (B-13)$$

2. Regression Line--Least Squares Fit.

The regression coefficient and the regression line are computed for the following:

(a) Change in distance to shoreline position from the selected reference position (dependent, Y) versus elapsed time (independent, X). This computation is performed in the analysis modules SURVY2 and BEACH.

(b) Change in unit volume above datum from the selected reference volume (dependent, Y) versus elapsed time (independent, X). This computation is performed in analysis module BEACH only.

⁴CROW, E.L., DAVIS, F.A., and MAXFIELD, M.W., *Statistics Manual*, Dover Publications, New York, 1960, pp. 152 and 158.

(c) Change in unit volume below datum from the selected reference volume (dependent, Y) versus elapsed time (independent, X). This computation is performed in analysis module BEACH only.

Letting

- k be the number of surveys of the profile line for which both X and Y could be computed, the regression coefficient, slope of the regression line (Crow, Davis, and Maxfield, 1960⁵), is

$$\beta = \frac{k\sum XY - \sum X \sum Y}{k\sum X^2 - (\sum X)^2} \quad (B-14)$$

and the intercept (Crow, Davis, and Maxfield, 1960⁶) is

$$\alpha = \frac{\sum Y - \beta \sum X}{k} \quad (B-15)$$

3. Standard Deviation.

In analysis module VOLCTR, the standard deviation for unit volume changes within specific contour segments is computed. This computation is used to examine changes between consecutive surveys of profile lines at a locality as shown on TABLE11 (Vol. I, Fig. 38) outputs. For profile lines surveyed during both surveys being considered, the standard deviation is computed for the following:

- (a) Unit volume within each contour segment at all the profile lines.
- (b) Total positive change in unit volume at all profile lines. (Sum of the positive changes in unit volume within the contour segments at each profile line is the total positive change at that profile line.)
- (c) Total negative change in unit volume at all profile lines. (Sum of the negative changes in unit volume within the contour segments at each profile line is the total negative change at that profile line.)
- (d) Total change in unit volume at all profile lines. (Sum of total positive and negative changes at each profile line is the total change at that profile line.)

Letting

- m be a consecutive integer identifying each profile line,
- n be the number of profile lines at which X_m can be computed,

⁵Crow, Davis, and Maxfield, op. cit., p. 33.

⁶Crow, Davis, and Maxfield, op. cit., p. 33.

X_m be the appropriate unit volume change at profile lines, and

be zero for profile lines at which X_m cannot be computed.

The standard deviation

$$\sigma = \sqrt{\frac{n \sum_{m=1}^n X_m^2 - \left(\sum_{m=1}^n X_m \right)^2}{n(n-1)}} \quad (\text{B-16})$$

XII. ELAPSED TIME

Elapsed time, used for both computational and display purposes (Vol. I, Fig. 14), is computed in analysis modules SURVY2, PEACH, and ELVDIS. It may be expressed as hours, days, months, or years at the user's option, but once the type of time has been selected, all computations and displays for a particular run must be expressed in terms of that time. No provision is made for a change in century; it is assumed all data are collected in the 20th century.

1. Hours, Days, or Years.

When elapsed time is expressed as hours, days, or years, the same representation is used both for computational and display purposes. The earlier time in the range of dates covered by the data is the zero time. The number of hours passed since 0000 hours on 1 January 1900 to the zero time is computed. Next, the number of hours passed since 0000 hours on 1 January 1900 to the time of the survey is computed and the hours to zero time subtracted from this. These hours become the elapsed time or the hours are optionally converted to days or years if required.

The procedure is as follows:

(a) A 12-element array containing number of hours passed in a year (excluding leap year) prior to the beginning of each month in the year is established:

$H_1 = 0$	$H_4 = 2,160$	$H_7 = 4,344$	$H_{10} = 6,552$
$H_2 = 744$	$H_5 = 2,880$	$H_8 = 5,088$	$H_{11} = 7,296$
$H_3 = 1,416$	$H_6 = 3,624$	$H_9 = 5,832$	$H_{12} = 8,016$

(b) If the year under consideration is a leap year (if there is no remainder when the year is divided by 4), 24 hours are added to each H element from H_3 on, inclusive.

(c) Unless the year under consideration is 1900, the number of leap years which have preceded the one under consideration is computed by subtracting 1 from the year and dividing by 4. The integer part of the quotient plus 1 is the number of preceding leap years. If the year is 1900, the number of preceding leap years is zero.

(d) Convert number of days from preceding leap years to hours by multiplying by 24.

(e) Find total hours elapsed by multiplying the year by 8,760 and adding number of preceding leap hours. Add the H element corresponding to the month of the survey. Subtract 1 from the day of the survey and multiply by 24. Add the hour of the survey. Divide the minutes by 60 and add. Call this T_c if the zero time is being computed and H_{tot} if the hours elapsed to a particular survey are being computed.

Elapsed time in hours is $H_{tot} - T_c$
Elapsed time in days is $(H_{tot} - T_c)/24$
Elapsed time in years is $(H_{tot} - T_c)/8,760$

2. Months.

Elapsed months is expressed, for display purposes, as the months passed since the beginning of each year. For the graphical display of this data, there is a different plot drawn for each year and on each plot the zero time is 1 January at 0000 of that year (Vol. I, Fig. 14). The number of months passed during the year is computed by subtracting 1 from the month of the survey, dividing the day of the survey by 30.5 and adding the two results. When the day of the survey exceeds 30 it is set to 30.5 for the computation.

For computational purposes, months elapsed is expressed as the number of months elapsed since the zero time:

- (a) Compute months elapsed during the current year as above.
- (b) Compute months elapsed before the current year by subtracting the year of the zero time from the year of the survey and multiplying by 12.
- (c) Add the results of (a) and (b) to obtain total elapsed months.

APPENDIX C

BPAS ERROR MESSAGES

The errors in the BPAS are in two categories--those which are informative and those which are fatal. Each error has been assigned a unique number which is printed along with the error messages.

The informative messages, identified by an "I," do not always flag a real error and have been included to alert the user that the program has encountered an unusual or potentially serious situation.

The fatal errors, identified with an "F," cause the programs to stop execution after they are printed. These errors occur when further execution is impossible or it is probable that further execution will not produce usable results.

Table C-1, which is a sequential list of the BPAS error messages by number, contains the error message which is printed, the category of the error, and the action that should be taken. The remarks column contains further information, such as the most common sources of the problem and steps which may help circumvent the problem. Some errors can be eliminated only with a program modification; however, a discussion describing how to implement such modifications is beyond the scope of this report.

Table C-1. Listing of BPAC error messages.

Error No.	Description	Severity ¹	Action	Remarks
1	No edit options were specified, check the option card to make sure there is a 1 in positions 1, 2, or 3.	F	Complete edit option card.	EDIT1 edit option card. None or more than one of the three types of edits have been selected.
2	The unit number of survey data file was entered as --, check appropriate users guide for correct unit numbers.	F	Correct and retry.	EDIT1 edit option card. Must enter a 5 (cards), 9 (disc), or 8 (disc needs sorting)
3	Input data missing -19999999 card at end of data. Processing continues for this locality only.	I	None required.	Survey input data file missing -19999999. This error will also be written if the wrong unit for survey input data was specified on the edit option card.
4	For locality -- at line -- at survey --the sheet number was expected to be 1 but it was --.	I	Correct and retry before running EDIT2.	Survey input data file has records out of order or missing.
5	Dimensions of distance-elevation arrays exceeded, only 150 pairs allowed	F	See analyst.	Survey input data file. If more than 150 coordinates must be processed, a program modification will be required.
6	End of file on input while attempting to read continuation card.	F	Correct and retry.	Survey input data file. Last survey read missing a card.
7	Invalid continuation card, see unmatched fields below.	I	Correct and retry before running EDIT2.	Survey input data file is missing, a card or cards are out of order or mispunched.
8	Survey -- of profile -- is improperly formatted and has been eliminated from processing.	I	Correct and retry before running EDIT2.	Survey input data file. Imbedded blanks in data pairs.
9	Error type -- has occurred more than once, processing terminated.	F	Correct and retry.	Problem may be alleviated by changing the user-supplied tolerance for the offending error type on the edit-option card.

¹F - Fatal, the condition causes program execution to stop;

I - the message is printed for informative purposes only.

Table C-1. Listing of BPAS error messages.--Continued

<u>Error No.</u>	<u>Description</u>	<u>Severity</u>	<u>Action</u>	<u>Remarks</u>
10	The number of sets of profile or survey numbers for extraction exceeds 50.	F	Correct and retry.	Attempt to extract more than 50 individual or ranges of profiles or surveys. Problem may be alleviated by increasing the number of profiles or surveys defined in single range.
11	Distance-elevation adjustments requested but number of adjustment cards is zero.	F	Correct and retry.	Position 12 of the processing-option card has a 1 indicating that adjustments are to be made but positions 78-80, telling the number of adjustment cards to read, are blank or zero.
12	Dimension for number of adjustments exceeded. Only 100 sets allowed and -- requested.	F	Correct and retry.	Problem may be alleviated by extracting data sets, making adjustments and recombining.
13	Datum code of -- for survey -- of line -- is invalid.	F	Correct and retry.	Survey input datum has datum code not in look-up table (0-9, A or D) or in wrong column.
14	Datum changed from -- to -- on survey -- of line --.	I	None required.	
15	Locality changed from -- to -- on survey -- of line --.	I	Correct and retry.	Data from only one locality should be processed through the EDIT2 program in a single run.
16	Survey -- of line -- has two initial cards, first one invalid.	I	Correct and retry.	Survey input data out of order.
17	Expected card -- but read card -- for survey -- of line --.	I	Correct and retry.	Survey input data card out of order or missing.
18	Survey -- of line -- has unequal number of data elements.	I	Correct and retry.	Missing distance or elevation value or leftmost position of value does not have + or --.
19	Distance values -- and -- for survey -- of line -- not in ascending order.	I	Correct and retry.	Survey input data must be corrected before further processing.

Table C-1. Listing of RPAC error messages.--(Continued)

<u>Error No.</u>	<u>Description</u>	<u>Severity</u>	<u>Action</u>	<u>Remarks</u>
20	Dimensions exceeded for number of surveys of a line, only 150 allowed.	F	See analyst.	Data may have to be broken into smaller sets for processing or program modified.
21	Attempt to process more than 59 years of data.	F	See analyst.	Range of years cannot exceed 59.
22	Profile numbers requested for extraction are not in ascending order.	F	Correct and retry.	Extraction-definition cards must be corrected.
23	Performing -- extraction and reading a -- option card.	F	Correct and retry.	Extraction-definition cards out of order or number of extraction incorrect on processing-option card.
24	Extraction type (range or indiv) not specified.	F	Correct and retry.	Processing-option card indicates an extraction is to be performed but does not identify proper type.
25	Problem with 1st requested profile number for ext.action.	F	See analyst.	Extraction-definition cards or survey input data may be suspect.
26	No output records on extraction file.	F	Check extraction card setup.	Extraction-definition cards may have specified extraction of nonexistent data.
27	Card input for reformatting missing -1 in positions 1-2 as last card.	I	None required.	If survey input data cards are processed with the EDIT2 card image data, the "-1" card is required for data separation.
28	Expecting to read adjustment card and read -- card. Check input and number of adjustment cards specified.	F	Correct and retry.	Adjustment-definition cards may have been improperly set up or the number specified on the EDIT2 processing option card inaccurate.
29	Adjustment card -- is missing data for profiles.	F	Correct and retry.	Adjustment by profile number was specified but no profile line numbers were defined.
30	Adjustment card -- missing data for surveys.	F	Correct and retry.	An adjustment by survey number was specified but no survey numbers were defined.

Table C-1. Listing of BPAS error messages.--Continued

Error No.	Description	Severity	Action	Remarks
31	No corrections specified on adjustment card --.	F	Correct and retry.	EDIT2 adjustment-definition card improperly formatted.
32	Profile or survey numbers entered incorrectly on adjustment card --.	F	Correct and retry.	Survey or profile line numbers for correction left blank or entered in wrong positions of EDIT2 adjustment-definition card.
33	Profile numbers in descending order going from adjustment card -- to --.	F	Correct and retry.	Profile numbers must be entered in ascending order on adjustment cards. Adjustment-definition cards may be out of order.
34	One distance-elevation adjustment requested for all data but more than one adjustment card specified.	F	Correct and retry.	EDIT2 adjustment-definition cards and processing-option card do not agree.
35	Profile -- has more than one reference survey.	F	Eliminate duplicate reference survey number.	Surveys may have been duplicated or misnumbered.
36	Only one survey, type 3 plots cannot be done.	F	Add surveys to data file.	Survey data may be missing or improperly sorted.
37	No surveys of line -- either have a datum intercept or qualify for volume above computations.	F	See analyst.	System problem. Program should not reach this point.
38	No zero unit volume specified for unit volume --. Line -- is eliminated from processing.	I	None required.	Zero volumes defined on OPT CRDS 5 and 6. Check supplementary OPT CRDS 5A or 6A for missing line.
39	No landward bound supplied for line --, no output for this line.	I	None required.	Landward boundary definition OPT CRD 5. Check supplementary OPT CRDS 5A and 5B for missing line.
40	No seaward bound supplied for line --, no output for this line.	I	None required.	Seaward boundary defined on OPT CRD 6. Check supplementary OPT CRDS 6A and 6B for missing line.

Table C-1. Listing of BPAS error messages.--Continued

Error No.	Description	Severity	Action	Remarks
41	Reference survey for line -- does not qualify for volume above computations. No output for this line.	I	None required.	Check landward boundaries if user-supplied or tolerance for first surveyed point in positions 70-80 of OPT CRD 5. May wish to allow extrapolation or check survey in question for complete data.
42	Reference survey for line -- does not qualify for volume below computations. No volume below output for this line.	I	None required.	Survey data. May wish to ensure seaward boundaries in OPT CRD 6 or supplementary OPT CRD 5.
43	Minimum contour for survey -- of line -- is less than specified minimum. Lower bound changed to --.	I	None required.	May check survey in question to assure accuracy of survey data.
44	No surveys of line -- had a datum intercept. No output for this line.	I	None required.	May wish to allow extrapolation or adjust vertical coordinates. Shoreline is always at zero elevation.
45	No surveys of line -- qualify for volume above computations. No output for this line.	I	None required.	See comments for error 41.
46	No surveys of line -- qualify for volume below computations.	I	None required.	See comments for error 42.
47	End of file on internal transfer unit.	F	See analyst.	System problem. Program should not reach this point.
48	Surveys -- -- of line -- tried to start volume by contour below datum.	F	See analyst.	System problem. Program should not reach this point.
49	Surveys -- -- of line -- cannot be compared. No points in common.	I	None required.	May wish to change upper or lower boundaries on volume card.
50	Expected another -- card.	F	Correct and retry.	CONTOUR or DISELEV cards missing or out of order.
51	-- is too many or too few contours or distances. Check -- card.	F	Correct and retry.	CONTOUR or DISELEV cards have wrong number of contours or distances defined or entered.

Table C-1. Listing of BPAS error messages.--Continued

Error No.	Description	Severity	Action	Remarks
52	First -- card read was card no. -- it must be 1.	F	Correct and retry.	CONTOUR or DISELEV cards missing or out of order.
53	Contour -- has more than 10 multiple intercepts for survey -- of line --. Only 10 will be on output.	I	None required.	Profile crosses contour more than 11 times.
54	Lower bound for volume below -- must be less than zero.	F	Correct and retry.	VOLUME card must be corrected.
55	No horizontal adjustment supplied. Profile line -- is eliminated from processing.	I	None required.	Output horizontal datum defined on. OFT CRD 4 or SUP 4A cards. Number of lines may be incorrect or adjustments missing.
56	No datum intercept on reference survey. Profile line -- is eliminated from processing.	I	None required.	May wish to allow extrapolation or adjust data to another datum.
57	Survey -- of line -- has no reference and will not be output.	I	None required.	May wish to allow extrapolation or adjust data to another datum.
58 ²	Survey number () not between minimum () and maximum () defined on header record.	F	Correct and retry.	Survey number incorrect in survey data or header record.
59 ²	Dimension for number of coord pairs exceeded. Number of pairs requested is --.	F	See analyst (must allow for larger dimensions).	Survey number may be incorrect in survey data or header record.
60 ²	Survey -- of line -- has no zero intercept.	F	Correct and retry.	Check minimum elevation on bad survey.
61 ²	Survey -- of line -- has bench mark at or seaward of shoreline.	I	None required.	May have an incorrect minimum elevation for survey or specified more coordinate pairs than there are in the survey record.

² These errors suggest processing through analysis routines of data which have not been created directly from the EDIT2 program.

Table C-1. Listing of BPAS error messages.--Continued

Error No.	Description	Severity	Action	Remarks
62	File mark expected on unit -- after header record but not found.	F	See analyst.	Data read in magnetic media format must be separated from header with a file mark.
63	Dimension for number of profile lines exceeded. Number of lines requested is --.	F	Reduce data set.	May wish to break data into smaller sets or increase program dimensions.
64	Dimension for number of surveys of a profile exceeded. Number of surveys requested is --.	F	Reduce number of surveys in data set.	See error 63.
65	For profile -- on survey -- specified starting distance is greater than all the survey distances.	F	Correct and retry.	Check ENVLOP card. Be sure distance entered has same horizontal datum and is in same units as expected outputs.
66	For profile -- on survey -- no more maximums and minimums will be considered.	I	Increase increment on ENVLOP card.	Profile so long that more than 2,000 points for maximum and minimum not found.
67	Total of distances used to weight spatial mean is --.	F	Correct and retry.	DISTNCE cards may be blank or contain negative distances.
68	Requested -- profile numbers on DISTNCE card, only -- specified on header card.	F	Correct and retry.	Be sure number of profile lines entered on DISTNCE cards is right-justified.
69	-- card encountered. DISTNCE card expected.	F	Correct and retry.	DISTNCE card missing or out of order or incorrect number of DISTNCE values.
70	DISTNCE card number -- expected but number -- read.	F	Correct and retry.	DISTNCE card probably out of order.
71	Profile -- was not surveyed on reference. There will be no output for this line.	I	None required.	Reference survey number may not have been properly entered on OPT CRD 4, 5, or 6.
72	No consecutive surveys of line -- had a datum intercept. No output for this line.	I	None required.	See comments for error 44.

Table C-1. Listing of BPAS error messages.--Continued

<u>Error No.</u>	<u>Description</u>	<u>Severity</u>	<u>Action</u>	<u>Remarks</u>
73	There is no mean shoreline position (reference) for profile--. No output for this line.	I	None required.	See comments for error 44.
74	No data for PLOT5.	I	None required.	PLOT5 output requested but there are no data to plot.
75	Survey -- of line -- has too many intercepts. Duplicate survey or lines on input.	F	Correct and retry.	Check survey data. May have duplicate survey numbers or profile line numbers.
76	Invalid code in column -- for following option card.	F	Correct and retry.	Check to be sure option card numbers are entered in correct columns.
77	Line numbers for entry -- do not match on SUP 5A and 5B option cards, zero volumes and landward bounds.	F	Correct and retry.	Profile line numbers entered on SUP 5A and 5B cards must match.
78	Line numbers for entry -- do not match on SUP 6A and 6B option cards, zero volumes and seaward bounds.	F	Correct and retry.	See error 77.
79	Zero linear or cubic conversion factor.	F	Correct and retry.	OPT CRD 8 has been improperly completed.
79.5	Bad reference survey number on following option card. Survey number must be between _____ and _____.	F	Correct and retry.	On OPT CRD 4, 5, or 6, the reference survey is outside the range of valid survey numbers defined on the header record.
80	Plot type -- suppressed, specs are in years and time is expressed in months.	I	None required unless the indicated plot output is desired.	Kind of time selected does not agree with X-minimum. Year must be expressed as 1Q--.

²These errors suggest processing through analysis routines of data which have not been created directly from the EDIT2 program.

Table C-1. Listing of BPAS error messages.--Continued

<u>Error No.</u>	<u>Description</u>	<u>Severity</u>	<u>Action</u>	<u>Remarks</u>
81	Invalid input card.	F	Correct and retry.	Specifications or option card improperly completed or blank card has not been entered at the end of option and specification cards.
82	Number of profile lines specified on OPT CHD 4, 5, or 6 exceeds dimensions.	F	Correct and retry.	Be sure number of profiles is entered right-justified.
83	--years of data exceed dimensions. Maximum allowed is 50.	F	Reduce data set.	May wish to modify program to accept more years.
84	Following input card ignored - not used by ---.	I	None required.	
85	--- is not valid program.	F	Correct and retry.	Check program identification card. Name of analysis module must appear on this card, be properly spelled and left-justified: SURVY1, SURVY2, BEACH, VOLCTR, ELVDIS are only valid entries.
86	Length of axis on plot type --- exceeds 10 inches. Could cause problems if plotted on pen plotter.	I	None required.	May wish to reduce length of vertical axis or factor the plot.
87	Zero offset was specified on plot type ---, interpretation of lines may be difficult.	I	None required.	PLOT3 or PL/T5 specified but no offset supplied.
88	There is no plot -- for program ---.	I	None required.	
89	Default plot specs have been requested but output units are not feet. Specs must be supplied.	F	Correct and retry.	Specification card for plot output must be completed if data are not to be output in feet.
90	Maximum lines per plot is 10. --- entered for plot type ---.	F	Correct and retry.	May wish to modify program to allow for more than 10 lines per plot.
91	Factor (position 69) must be 1 or 0. --- entered for plot type ---.	F	Correct and retry.	PLOT spec card improperly completed.

Table C-1. Listing of BPAS error messages.--Continued

<u>Error No.</u>	<u>Description</u>	<u>Severity</u>	<u>Action</u>	<u>Remarks</u>
92	For plot type --- X or Y increment equals zero.	F	Correct and retry.	PLOT spec card improperly completed.
93	No program has plot --- for output.	F	Correct and retry.	PLOT spec card improperly completed.
94	There is no time axis --- for plot type ---.	F	Correct and retry.	Valid time codes are Y, M, D, or H.
95	No --- selected for plot type ----.	F	Correct and retry.	No contours or distances selected for output but plot output requested.
96	Request for number of lines plot for plot type --- exceeds plot device capacity of 36 inches for vertical axis. Plot will have to be factored.	F	Reduce number, length, increment, or factor plot.	Check PLOT spec card. If plotting device will handle a greater than 36-inch axis, may wish to modify program.
97	No zero contour was specified for shoreline position for plot type ----.	F	Correct and retry.	Check CONTOUR and PLOT card. Must specify zero contour when shoreline only plots are requested.
98	Number of lines specified on OPT CRD --- exceeds dimensions.	F	Correct and retry.	Be sure profile line numbers are right-justified on supplementary option cards.
99	Option card bad or out of order --- supplementary option expected.	F	Correct and retry.	May have forgotten to include supplementary option cards or did not put them immediately behind option card.
100	Table --- is not output of program --.	I	None required.	
101	No program has table --- for output.	F	Correct and retry.	TABLE spec card improperly completed.
102	Regression analysis for shoreline position requested but no proper time defined on TABLE2 card.	F	Correct and retry.	TABLE spec card. Time must be M, H, D, Y, or blank.
103	TABLE8A requested but no proper time defined for statistical correlations. TABLE8A suppressed.	I	Correct and retry if TABLE8A output is desired.	TABLE8 card. Time must be M, H, D, Y, or blank.

Table C-1. Listing of BPAS error messages.--Continued

<u>Error No.</u>	<u>Description</u>	<u>Severity</u>	<u>Action</u>	<u>Remarks</u>
104	There is no reference for profile ---. No TABLE4 output.	I	None required.	See comments for error 56.
105	TABLE3 and TABLE4 are meaningless when horizontal datum is shoreline on previous survey.	I	See analyst.	System problem.
106	There is no data for defined reference. No TABLE7 output.	I	None required.	See comments for error 56.
107	TABLE6 and TABLE7 are meaningless when horizontal datum is shoreline on previous survey.	I	See analyst.	System problem.
108	Exceeded dimensions for number of contours.	F	Correct and retry.	Check for unreasonable elevation range in survey input data. VOLCTR allows up to 100 contour intervals. VOLUME specifica- tion card may be used to increase interval or decrease boundaries for volume computations.
109	Illegal reference for zero unit volume above.	F	See analyst.	System problem.
110	Dimension for volume change array exceeded.	F	Correct and retry.	Error has same source as 108.
111	No outputs selected.	F	Correct and retry.	PLOT and TABLE spec cards have not been supplied.
112	Lower bound for volume computa- tions--, must be less than upper bound,--.	F	Correct and retry.	VOLUME card improperly completed.
113	Contour interval for volume computa- tions, --, must be greater than zero.	F	Correct and retry.	VOLUME card improperly completed.

APPENDIX D
DATA REQUIREMENTS

1. Basic Assumptions.

The data for which the BPAS was designed consist of beach profile data and the computations performed deal mainly with changes in shoreline and other contour positions and unit volumes. Figure D-1 is a schematic of a typical beach profile survey. The following restrictions are placed on the data which can be processed by the system:

- (a) Distances to each successive surveyed point must be greater than or equal to the distance to the previous one.
- (b) Each survey must begin landward of the shoreline position and proceed seaward.
- (c) There must be at least one point with an elevation greater than zero.

Based on these restrictions there are three types of profiles which can be analyzed by the system (see Vol. I, Sec. IV):

- (a) Type 1: The profile extends from a point landward to a point seaward of the shoreline.
- (b) Type 2: The profile extends only to the shoreline or the shoreline position can be extrapolated.
- (c) Type 3: The profile does not extend to the shoreline and the shoreline position cannot be extrapolated.

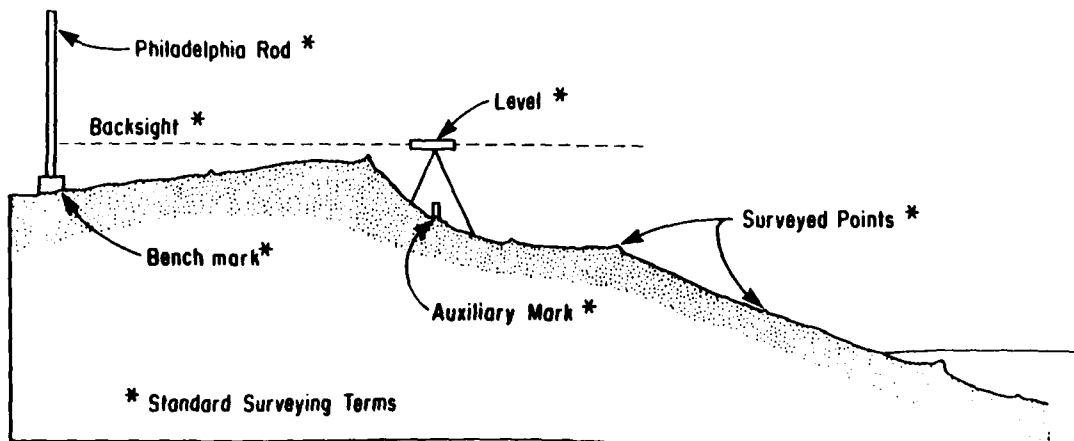


Figure D-1. Schematic of a typical profile survey.

2. Program Limitations.

Because of array dimension sizes and other computational procedures, the following additional restrictions are placed on the data:

- (a) There must be at least two but no more than 60 surveyed points defining a profile.
- (b) Profile line and survey numbers must be numeric. The difference between the largest and smallest profile number must not exceed 99; between the survey numbers, no more than 149. Profile line numbers must fall between 1 and 999, survey numbers between 1 and 9999.
- (c) No more than 50 years may be represented in a single data set.
- (d) All data on a final data set, ready for input to the analysis routines, should be in the same units and referenced to the same vertical and horizontal datum.
- (e) In computations using the distance between profile lines, the lines are assumed to be parallel.

APPENDIX E
SAMPLE CODING FORMS
FOR
SURVEY INPUT DATA

PROFILE SURVEY DATA CODING FORM

SURVEY REPORT
(INITIAL SHEET)

BEACH EVALUATION PROGRAM
COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FT. BELVOIR, VA 22060

LOCALITY CODE

1	2	3	4	5

SURVEY NUMBER

6	7	8	9

SHEET NUMBER

		OF		
10	11		12	13

SURVEY DATE

YR		MO		DAY	
14	15	16	17	18	19

TIME

22	23	24	25

DATUM

- ☐ 0 SWL ☐ 3 MTL ☐ 6 MHW ☐ 9 MLL
☐ 1 NGVD ☐ 4 MLW ☐ 7 IGLD
☐ 2 MSL ☐ 5 MLLW ☐ 8 LWD
☐ A OTHER _____

DATA IS COLLECTED IN

27	28

(FT, M, ETC.)

NAME OF BEACH

LOCATION (PROFILE OR PROFILE NO.)

SURVEY METHOD

- ☐ 1 LEVEL AND TAPE
☐ 2 STADIA
☐ 3 EMERY
☐ 4 HAND LEVELING
☐ 5 OTHER

IF THERE HAS BEEN ANY CHANGE
IN PROFILE BENCHMARK SINCE
LAST REPORT, CHECK BOX (✓)
AND COMMENT ON BACK OF THIS
FORM ☐

IF YOU HAVE ANY OTHER COMMENT
CHECK BOX (✓) AND USE THE BACK
OF THIS FORM ☐

DISTANCE MUST BE
IN ASCENDING ORDER

+	(1000)(100)(10)(1)
31	32 33 34 35
+	
41	42 43 44 45
+	
51	52 53 54 55
+	
61	62 63 64 65
+	
71	72 73 74 75

ELEVATION

+	(100)(10)(1)	(1)
36	37 38 39	40
+		
46	47 48 49	50
+		
56	57 58 59	60
+		
66	67 68 69	70
+		
76	77 78 79	80

PARTY CHIEF

FORM FILLED BY DATE

PROFILE SURVEY DATA CODING FORM

SURVEY REPORT
(CONTINUATION SHEET)

BEACH EVALUATION PROGRAM
COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FT. BELVOIR, VA. 22060

LOCALITY CODE

1	2	3	4	5

SURVEY NUMBER

6	7	8	9

SHEET NUMBER

		OF		
10	11		12	13

NAME OF BEACH

LOCATION (PROFILE OR PROFILE NO.)

DISTANCE
(MUST BE IN ASCENDING ORDER)

ELEVATION

±	(1000)(100)(10) (1)
21	22 23 24 25

±	(100)(10) (1)	(1)
26	27 28 29	30

±	
31	32 33 34 35

±		
36	37 38 39	40

±	
41	42 43 44 45

±		
46	47 48 49	50

±	
51	52 53 54 55

±		
56	57 58 59	60

±	
61	62 63 64 65

±		
66	67 68 69	70

±	
71	72 73 74 75

±		
76	77 78 79	80

APPENDIX F

SAMPLE SURVEY INPUT DATA, EDIT1 AND EDIT2

These sample input data, input to the EDIT1 and EDIT2 programs, were used to create the final data file used by the analysis routines. All sample outputs in the series, except those which demonstrate features not available from these data, were created using the input. Any output not created by these data is so identified.

34	1	1	1	2750100	10002F1	+	0+	142+	16+	190+	24+	240+	41+	191+	58+	154
34	1	1	2	2	75+ 113+	68+	95+	100+	62+	114+	71+	165+	15+	190+	20	
34	1	2	1	2750305	11002F1	+	0+	142+	16+	197+	29+	247+	41+	187+	54+	133
34	1	2	2	2	100+ 88+	105+	62+	113+	67+	155+	31+	200+	20			
34	1	3	1	3750028	11002F1	+	0+	143+	16+	197+	29+	247+	52+	243+	37+	205
34	1	3	2	3	44+ 173+	57+	138+	73+	114+	91+	92+	100+	80+	124+	79	
34	1	3	3	3	141+ 65+	161+	40+	182+	13+	200+	13+	207+	20			
34	1	4	1	3750002	11002F1	+	0+	142+	16+	196+	29+	246+	32+	240+	57+	204
34	1	4	2	3	44+ 177+	57+	135+	75+	110+	90+	94+	100+	89+	128+	64	
34	1	4	3	3	150+ 54+	100+	46+	182+	24+	200+	2+	205+	7+	225+	21	
34	1	5	1	3750702	10002F1	+	0+	142+	16+	197+	29+	247+	32+	242+	43+	186
34	1	5	2	3	55+ 143+	78+	112+	100+	103+	119+	89+	144+	67+	175+	38	
34	1	5	3	3	200+ 16+	219+	7									
34	1	6	1	3750009	15002F1	+	0+	142+	16+	190+	20+	239+	29+	240+	32+	243
34	1	6	2	3	57+ 210+	52+	148+	59+	133+	80+	111+	100+	105+	126+	101	
34	1	6	3	3	134+ 84+	158+	69+	186+	38+	800+	21+	236+	21			
34	1	7	1	3751028	7002F1	+	0+	142+	16+	197+	29+	247+	41+	187+	56+	135
34	1	7	2	3	77+ 112+	100+	105+	116+	105+	127+	90+	157+	84+	191+	12	
34	1	7	3	3	200+ 0+	222+	3+	243+	6+	257+	11+	279+	20			
34	1	8	1	2751125	11002F1	+	0+	144+	16+	192+	29+	248+	41+	192+	58+	137
34	1	8	2	2	86+ 107+	100+	101+	150+	76+	200+	12+	236+	22			
34	1	9	1	2750105	11002F1	+	0+	142+	16+	194+	29+	246+	41+	196+	62+	130
34	1	9	2	2	83+ 112+	100+	103+	116+	89+	155+	61+	200+	13+	229+	20	
34	1	10	1	3750311	8002F1	+	0+	142+	25+	235+	27+	247+	30+	248+	33+	245
34	1	10	2	3	37+ 200+	50+	157+	80+	131+	75+	116+	100+	100+	125+	69	
34	1	10	3	3	150+ 43+	175+	22+	200+	4+	225+	14+	243+	24			
34	1	11	1	4750006	14002F1	+	0+	143+	25+	228+	28+	247+	31+	239+	33+	245
34	1	11	2	4	38+ 211+	50+	162+	62+	131+	75+	117+	100+	104+	115+	82	
34	1	11	3	4	125+ 75+	150+	55+	175+	38+	189+	22+	200+	15+	215+	0	
34	1	11	4	4	225+ 13+	233+	23									
34	1	12	1	2750008	15002F1	+	0+	143+	29+	251+	30+	249+	50+	150+	75+	117
34	1	12	2	2	180+ 23+	200+	16+	232+	25							
34	1	13	1	3750707	12002F1	+	0+	144+	25+	233+	30+	290+	50+	163+	75+	118
34	1	13	2	3	100+ 94+	125+	75+	150+	59+	175+	39+	200+	10+	225+	19	
34	1	13	3	3	250+ 35											
34	1	14	1	3750027	9002F1	+	0+	143+	25+	234+	30+	249+	50+	150+	75+	117
34	1	14	2	3	100+ 94+	125+	82+	150+	68+	160+	46+	175+	28+	200+	5	
34	1	14	3	3	201+ 1+	211+	7+	215+	80							
34	1	15	1	3751215	9002F1	+	0+	144+	25+	242+	29+	251+	50+	155+	75+	118
34	1	15	2	3	100+ 96+	104+	84+	125+	53+	150+	27+	175+	14+	200+	4	
34	1	15	3	3	225+ 18+	235+	25									
34	2	1	1	3750106	10002F1	+	0+	119+	32+	132+	48+	170+	61+	204+	67+	201
34	2	1	2	3	78+ 157+	93+	119+	124+	102+	166+	70+	200+	42+	215+	21	
34	2	1	3	3	250+ 23											
34	2	2	1	3750303	11002F1	+	0+	118+	32+	133+	48+	170+	61+	208+	67+	194
34	2	2	2	3	78+ 156+	93+	119+	100+	113+	135+	94+	146+	72+	179+	41	
34	2	2	3	3	200+ 20+	229+	21									
34	2	3	1	3750428	11002F1	+	0+	119+	32+	131+	48+	175+	61+	208+	68+	195
34	2	3	2	3	78+ 163+	91+	124+	100+	115+	119+	91+	138+	78+	152+	69	
34	2	3	3	3	175+ 60+	189+	45+	200+	34+	224+	8+	244+	24			
34	2	4	1	3750602	11002F1	+	0+	119+	32+	131+	48+	175+	61+	209+	68+	196
34	2	4	2	3	78+ 161+	91+	123+	100+	115+	114+	95+	139+	87+	156+	75	
34	2	4	3	3	181+ 59+	188+	48+	200+	34+	216+	16+	237+	8+	254+	20	
34	2	5	1	3750702	10002F1	+	0+	118+	32+	131+	48+	171+	61+	208+	68+	195
34	2	5	2	3	78+ 160+	91+	130+	100+	117+	135+	78+	174+	47+	200+	27	

34 2 5 3 3 + 228- 5
 34 2 6 1 3750909 14002F1 + 0+ 118+ 32+ 131+ 48+ 173+ 61+ 206+ 68+ 144
 34 2 6 2 3 + 78+ 162+ 41+ 124+ 100+ 115+ 125+ 94+ 156+ 65+ 188+ 52
 34 2 6 3 3 + 200+ 21+ 229- 8+ 249- 32
 34 2 7 1 3751028 10002F1 + 0+ 118+ 32+ 132+ 48+ 173+ 61+ 208+ 67+ 197
 34 2 7 2 3 + 78+ 154+ 93+ 127+ 100+ 117+ 112+ 97+ 113+ 91+ 157+ 64
 34 2 7 3 3 + 170+ 53+ 200+ 7+ 215+ 8+ 229- 20
 34 2 8 1 3751125 11002F1 + 0+ 119+ 32+ 131+ 48+ 173+ 61+ 207+ 67+ 196
 34 2 8 2 3 + 78+ 154+ 93+ 126+ 100+ 116+ 137+ 66+ 162+ 50+ 200+ 8
 34 2 8 3 3 + 236- 53
 34 2 9 1 3760105 11002F1 + 0+ 120+ 32+ 131+ 48+ 170+ 61+ 204+ 67+ 203
 34 2 9 2 3 + 78+ 163+ 93+ 117+ 100+ 105+ 132+ 75+ 175+ 35+ 200+ 1
 34 2 9 3 3 + 221- 21
 34 2 10 1 3760311 9002F1 + 0+ 119+ 17+ 124+ 22+ 131+ 25+ 130+ 33+ 134
 34 2 10 2 3 + 50+ 177+ 61+ 209+ 66+ 203+ 75+ 165+ 84+ 136+ 100+ 107
 34 2 10 3 3 + 125+ 84+ 150+ 50+ 175+ 38+ 200+ 13+ 225+ 16+ 240+ 25
 34 2 11 1 4760406 14002F1 + 0+ 119+ 17+ 122+ 23+ 130+ 31+ 129+ 37+ 134
 34 2 11 2 4 + 63+ 209+ 68+ 202+ 70+ 195+ 75+ 174+ 91+ 122+ 100+ 108
 34 2 11 3 4 + 125+ 81+ 131+ 76+ 150+ 54+ 160+ 43+ 175+ 29+ 200+ 8
 34 2 11 4 4 + 225- 8+ 237- 21
 34 2 12 1 2760608 14002F1 + 0+ 119+ 30+ 130+ 50+ 179+ 62+ 209+ 97+ 112
 34 2 12 2 2 + 107+ 98+ 157+ 47+ 180+ 21+ 207+ 4+ 229- 22
 34 2 13 1 3760707 12002F1 + 0+ 119+ 25+ 130+ 34+ 134+ 50+ 178+ 62+ 209
 34 2 13 2 3 + 75+ 174+ 100+ 106+ 185+ 74+ 150+ 52+ 175+ 89+ 200+ 8
 34 2 13 3 3 + 252- 24
 34 2 14 1 3760927 10002F1 + 0+ 119+ 25+ 130+ 50+ 176+ 60+ 204+ 75+ 162
 34 2 14 2 3 + 45+ 115+ 100+ 101+ 125+ 70+ 150+ 65+ 175+ 25+ 200+ 3
 34 2 14 3 3 + 210- 12+ 218- 21
 34 2 15 1 3761215 9002F1 + 0+ 120+ 25+ 131+ 50+ 183+ 61+ 208+ 75+ 169
 34 2 15 2 3 + 100+ 102+ 125+ 33+ 150+ 24+ 175+ 19+ 200+ 5+ 225- 12
 34 2 15 3 3 + 250- 29
 34 3 1 1 3750106 11002F1 + 0+ 130+ 20+ 126+ 37+ 150+ 50+ 165+ 79+ 172
 34 3 1 2 3 + 100+ 174+ 119+ 164+ 139+ 121+ 168+ 110+ 200+ 96+ 223+ 64
 34 3 1 3 3 + 250+ 35+ 275+ 8+ 300- 20
 34 3 2 1 3750303 11002F1 + 0+ 130+ 20+ 128+ 37+ 153+ 50+ 185+ 68+ 182
 34 3 2 2 3 + 79+ 172+ 100+ 175+ 115+ 163+ 139+ 118+ 150+ 113+ 183+ 105
 34 3 2 3 3 + 191+ 84+ 200+ 72+ 213+ 53+ 247+ 16+ 265- 26
 34 3 3 1 4750428 11002F1 + 0+ 130+ 20+ 126+ 37+ 153+ 50+ 185+ 68+ 181
 34 3 3 2 4 + 74+ 174+ 100+ 174+ 115+ 165+ 126+ 145+ 136+ 121+ 155+ 115
 34 3 3 3 4 + 172+ 110+ 192+ 86+ 200+ 77+ 224+ 58+ 249+ 30+ 268+ 9
 34 3 3 4 4 + 294- 21
 34 3 4 1 4750602 11002F1 + 0+ 130+ 20+ 126+ 37+ 153+ 50+ 185+ 68+ 181
 34 3 4 2 4 + 74+ 171+ 100+ 174+ 115+ 166+ 126+ 147+ 136+ 121+ 149+ 113
 34 3 4 3 4 + 166+ 113+ 182+ 99+ 200+ 82+ 223+ 75+ 238+ 56+ 253+ 31
 34 3 4 4 4 + 280- 5+ 298- 20
 34 3 5 1 3750702 11002F1 + 0+ 130+ 20+ 126+ 37+ 152+ 50+ 185+ 68+ 181
 34 3 5 2 3 + 79+ 172+ 100+ 175+ 115+ 166+ 126+ 149+ 136+ 123+ 162+ 115
 34 3 5 3 3 + 165+ 103+ 200+ 91+ 241+ 57+ 264+ 31+ 286+ 6+ 295- 8
 34 3 6 1 4750904 16002F1 + 0+ 129+ 20+ 126+ 37+ 151+ 50+ 184+ 68+ 181
 34 3 6 2 4 + 79+ 171+ 100+ 174+ 115+ 164+ 126+ 147+ 136+ 121+ 153+ 112
 34 3 6 3 4 + 173+ 106+ 200+ 92+ 231+ 78+ 252+ 43+ 261+ 8+ 300- 16
 34 3 6 4 4 + 308- 34
 34 3 7 1 3751028 9002F1 + 0+ 130+ 20+ 126+ 37+ 152+ 50+ 185+ 79+ 171
 34 3 7 2 3 + 100+ 175+ 115+ 165+ 139+ 118+ 176+ 109+ 200+ 103+ 213+ 102
 34 3 7 3 3 + 236+ 77+ 254+ 44+ 289- 3+ 305- 20

37	3	4	1	375112A	7002FT	+	0+	129+	20+	126+	37+	151+	50+	187+	99+	172			
37	3	4	2	3		+	100+	174+	115+	165+	139+	120+	189+	112+	200+	100+	266+	54	
37	3	4	3	3		+	292+	0+	331+	23									
37	3	4	1	375111S	12002FT	+	0+	150+	20+	126+	37+	152+	50+	186+	99+	172			
37	3	4	2	3		+	100+	175+	115+	166+	139+	120+	188+	114+	200+	100+	228+	70	
37	3	4	3	3		+	284+	2+	302+	20									
37	3	4	1	1	375111	9002FT	+	0+	150+	19+	125+	25+	131+	39+	155+	50+	186		
37	3	4	2	3		+	69+	181+	75+	175+	79+	171+	84+	176+	89+	171+	97+	179	
37	3	4	3	3		+	100+	177+	125+	157+	127+	151+	131+	156+	135+	187+	150+	116	
37	3	4	1	1	3		+	175+	114+	141+	109+	200+	98+	225+	72+	248+	93+	250+	46
37	3	4	3	3		+	275+	20+	300+	8+	319+	26							
37	3	4	1	1	375111A	15002FT	+	0+	129+	22+	127+	25+	130+	31+	182+	37+	149		
37	3	4	2	3		+	42+	161+	49+	185+	69+	181+	80+	172+	93+	170+	98+	178	
37	3	4	3	3		+	100+	175+	108+	176+	118+	164+	126+	156+	136+	186+	150+	117	
37	3	4	1	1	3		+	175+	114+	190+	108+	200+	99+	225+	71+	250+	94+	275+	32
37	3	4	3	3		+	300+	1+	325+	17+	329+	22							
37	3	4	1	1	375111A	10002FT	+	0+	129+	20+	126+	52+	183+	78+	171+	102+	177		
37	3	4	2	3		+	122+	160+	142+	117+	150+	117+	184+	108+	204+	81+	250+	40	
37	3	4	3	3		+	298+	14+	303+	20									
37	3	4	1	1	3751117	10002FT	+	0+	130+	25+	131+	50+	186+	75+	175+	180+	174		
37	3	4	2	3		+	125+	161+	150+	118+	175+	115+	200+	94+	225+	89+	250+	51	
37	3	4	3	3		+	275+	27+	300+	1+	316+	16+	325+	23					
37	3	4	1	1	37511127	11002FT	+	0+	130+	25+	130+	50+	187+	75+	174+	93+	171		
37	3	4	2	3		+	100+	176+	125+	156+	137+	125+	150+	116+	175+	112+	200+	94	
37	3	4	3	3		+	225+	80+	250+	40+	275+	10+	300+	13+	310+	21			
37	3	4	1	1	4751115	9002FT	+	0+	129+	20+	126+	50+	187+	75+	174+	94+	173		
37	3	4	2	3		+	100+	177+	125+	157+	132+	140+	150+	116+	175+	111+	197+	93	
37	3	4	3	3		+	200+	71+	225+	30+	250+	8+	275+	6+	300+	18+	309+	17	
37	3	4	1	1	4		+	328+	19+	350+	20+	375+	23						
37	3	4	1	1	37511106	11002FT	+	0+	159+	27+	164+	54+	167+	71+	197+	81+	227		
37	3	4	2	3		+	100+	213+	114+	195+	131+	190+	138+	202+	157+	172+	186+	115	
37	3	4	3	3		+	200+	101+	250+	51+	291+	15+	324+	20					
37	3	4	1	1	37511108	12002FT	+	0+	159+	27+	164+	54+	166+	71+	197+	81+	226		
37	3	4	2	3		+	100+	211+	118+	191+	131+	191+	138+	199+	157+	167+	186+	112	
37	3	4	3	3		+	200+	98+	223+	89+	241+	72+	287+	12+	300+	3+	310+	24	
37	3	4	1	1	4751112A	12002FT	+	0+	159+	27+	164+	54+	166+	71+	199+	81+	225		
37	3	4	2	3		+	100+	211+	118+	192+	131+	190+	138+	202+	157+	167+	167+	150	
37	3	4	3	3		+	180+	123+	200+	84+	229+	65+	252+	44+	277+	17+	300+	9	
37	3	4	1	1	4		+	312+	24										
37	3	4	1	1	4751112	12002FT	+	0+	158+	27+	164+	54+	165+	71+	195+	81+	225		
37	3	4	2	3		+	100+	212+	118+	192+	131+	189+	138+	202+	157+	188+	167+	133	
37	3	4	3	3		+	180+	123+	188+	109+	200+	88+	215+	79+	234+	67+	248+	54	
37	3	4	1	1	3		+	265+	32+	282+	7+	296+	7+	310+	20				
37	3	4	1	1	37511102	11002FT	+	0+	159+	27+	165+	54+	165+	71+	195+	81+	227		
37	3	4	2	3		+	100+	210+	118+	192+	131+	190+	138+	202+	157+	169+	167+	152	
37	3	4	3	3		+	180+	123+	200+	91+	240+	55+	276+	19+	295+	0			
37	3	4	1	1	47511109	16002FT	+	0+	158+	27+	164+	54+	164+	71+	196+	81+	225		
37	3	4	2	3		+	100+	211+	118+	192+	131+	191+	138+	202+	157+	188+	167+	150	
37	3	4	3	3		+	180+	121+	190+	106+	200+	97+	225+	72+	230+	61+	261+	38	
37	3	4	1	1	4		+	300+	1+	325+	23								
37	3	4	1	1	4751112A	8002FT	+	0+	158+	27+	169+	54+	165+	71+	195+	81+	226		
37	3	4	2	3		+	100+	211+	118+	191+	131+	189+	138+	202+	165+	155+	179+	123	
37	3	4	3	3		+	200+	98+	211+	91+	241+	93+	256+	73+	284+	41+	300+	24	
37	3	4	1	1	4		+	328+	0+	350+	23								
37	3	4	1	1	37511126	8002FT	+	0+	158+	27+	167+	54+	164+	71+	195+	81+	226		

39	4	8	2	3	+	100+	210+	118+	191+	131+	190+	138+	201+	165+	150+	174+	124
39	4	8	3	3	+	200+	107+	244+	72+	278+	40+	100+	14+	313+	2+	342+	45
39	4	9	1	3700105	12002F1	+	0+	158+	87+	165+	54+	166+	71+	146+	81+	227	
39	4	9	2	3	+	100+	211+	118+	192+	131+	190+	138+	201+	165+	157+	179+	125
39	4	9	3	3	+	200+	107+	230+	84+	253+	63+	300+	10+	322+	20		
39	4	10	1	5760311	10002F1	+	0+	158+	19+	168+	25+	167+	45+	160+	50+	163	
39	4	10	2	5	+	60+	173+	67+	184+	75+	204+	81+	226+	100+	213+	125+	184
39	4	10	3	5	+	131+	189+	134+	192+	139+	201+	150+	180+	175+	134+	161+	125
39	4	10	4	5	+	200+	109+	225+	97+	250+	77+	275+	40+	300+	25+	325+	3
39	4	10	5	5	+	350+	25										
39	4	11	1	5760406	15002F1	+	0+	159+	25+	167+	43+	158+	50+	163+	55+	166	
39	4	11	2	5	+	67+	180+	75+	205+	83+	225+	100+	215+	125+	190+	135+	141
39	4	11	3	5	+	141+	202+	143+	198+	150+	183+	168+	155+	175+	144+	182+	126
39	4	11	4	5	+	200+	109+	225+	100+	233+	93+	241+	78+	250+	67+	263+	50
39	4	11	5	5	+	275+	35+	282+	18+	300+	10+	313+	0+	325+	9+	338+	21
39	4	12	1	3760608	15002F1	+	0+	158+	50+	163+	81+	225+	126+	190+	138+	200	
39	4	12	2	3	+	150+	174+	179+	125+	200+	110+	230+	102+	263+	57+	300+	37
39	4	12	3	3	+	324+	0+	350+	14+	350+	26						
39	4	13	1	4760707	15002F1	+	0+	159+	85+	166+	50+	162+	75+	200+	85+	225	
39	4	13	2	4	+	100+	212+	125+	189+	136+	201+	150+	178+	175+	136+	200+	108
39	4	13	3	4	+	225+	100+	250+	98+	275+	65+	300+	36+	325+	16+	350+	6
39	4	13	4	4	+	365+	20										
39	4	14	1	4760927	11002F1	+	0+	148+	25+	160+	50+	164+	75+	200+	82+	226	
39	4	14	2	4	+	100+	212+	125+	190+	139+	201+	155+	172+	175+	137+	200+	108
39	4	14	3	4	+	225+	102+	250+	93+	275+	61+	276+	67+	292+	46+	300+	34
39	4	14	4	4	+	325+	12+	347+	0+	370+	12+	385+	21				
39	4	15	1	3761215	10002F1	+	0+	158+	85+	168+	50+	158+	82+	225+	100+	216	
39	4	15	2	3	+	125+	191+	144+	200+	165+	166+	165+	131+	200+	112+	225+	104
39	4	15	3	3	+	241+	100+	266+	67+	290+	38+	300+	27+	325+	3+	350+	23
39	5	1	1	3750100	12002F1	+	0+	143+	18+	160+	52+	184+	100+	165+	143+	201	
39	5	1	2	3	+	152+	216+	166+	214+	174+	208+	183+	231+	196+	206+	212+	125
39	5	1	3	3	+	248+	90+	263+	84+	300+	46+	332+	10+	353+	20		
39	5	2	1	4750305	12002F1	+	0+	144+	18+	164+	52+	183+	100+	193+	121+	192	
39	5	2	2	4	+	143+	209+	152+	222+	166+	207+	174+	213+	183+	224+	146+	185
39	5	2	3	4	+	212+	120+	232+	105+	248+	92+	269+	73+	300+	57+	331+	19
39	5	2	4	4	+	358+	20										
39	5	3	1	4750428	12002F1	+	0+	144+	18+	162+	52+	185+	100+	181+	121+	194	
39	5	3	2	4	+	143+	209+	152+	219+	166+	207+	174+	214+	183+	226+	146+	188
39	5	3	3	4	+	200+	150+	210+	126+	221+	115+	242+	101+	263+	87+	284+	70
39	5	3	4	4	+	300+	57+	327+	29+	352+	5+	372+	20				
39	5	4	1	4750602	12002F1	+	0+	144+	18+	163+	52+	188+	100+	187+	121+	192	
39	5	4	2	4	+	143+	200+	152+	218+	166+	209+	174+	207+	183+	231+	146+	199
39	5	4	3	4	+	200+	165+	210+	131+	222+	115+	245+	104+	259+	91+	278+	70
39	5	4	4	4	+	300+	51+	316+	32+	352+	7+	369+	20				
39	5	5	1	4750702	11002F1	+	0+	144+	18+	160+	52+	189+	100+	190+	121+	192	
39	5	5	2	4	+	143+	207+	152+	220+	166+	209+	174+	206+	183+	232+	146+	200
39	5	5	3	4	+	200+	168+	210+	132+	223+	118+	258+	91+	300+	89+	344+	9
39	5	5	4	4	+	360+	11										
39	5	6	1	4750909	16002F1	+	0+	145+	18+	164+	52+	194+	100+	180+	121+	197	
39	5	6	2	4	+	143+	209+	152+	218+	166+	206+	174+	211+	181+	228+	146+	176
39	5	6	3	4	+	204+	148+	210+	127+	224+	113+	246+	103+	262+	94+	280+	76
39	5	6	4	4	+	300+	57+	332+	28+	357+	2+	379+	23				
39	5	7	1	4751028	11002F1	+	0+	145+	18+	161+	52+	188+	100+	200+	143+	214	
39	5	7	2	4	+	152+	224+	166+	206+	174+	212+	183+	227+	146+	175+	212+	125
39	5	7	3	4	+	238+	107+	259+	98+	273+	91+	294+	67+	300+	60+	326+	31

39	5	7	4	4	349	5	47	11	383	38									
39	5	8	1	3751126	1002F1	0	0	140	18	162	52	186	101	194	143	206			
39	5	8	2	3	+ 152	220	104	204	174	207	183	230	194	200	212	231			
39	5	8	3	3	+ 252	214	300	65	131	30	366	4	39	34					
39	5	9	1	3780105	12002F1	0	0	144	18	162	52	186	101	197	143	231			
39	5	9	2	3	+ 152	215	166	210	174	213	183	215	196	201	212	224			
39	5	9	3	3	+ 220	118	246	112	284	79	300	43	341	10	369	29			
39	5	10	1	4780311	10002F1	0	0	146	25	170	50	186	100	189	125	193			
39	5	10	2	4	+ 150	214	163	212	175	204	182	233	184	225	196	201			
39	5	10	3	4	+ 200	180	212	132	224	121	250	115	257	106	275	85			
39	5	10	4	4	+ 297	54	300	95	325	30	350	3	369	21					
39	5	11	1	3780406	16002F1	0	0	148	25	170	50	184	74	182	100	196			
39	5	11	2	5	+ 125	192	141	190	152	220	158	219	166	211	175	200			
39	5	11	3	5	+ 184	234	186	230	195	210	200	183	213	129	225	121			
39	5	11	4	5	+ 250	115	259	104	270	79	307	60	300	37	314	23			
39	5	11	5	5	+ 325	4	350	6	384	25									
39	5	12	1	3780408	15002F1	0	0	148	50	186	100	195	150	220	170	206			
39	5	12	2	3	+ 181	230	200	170	209	137	243	110	256	84	300	73			
39	5	12	3	3	+ 331	40	350	31	397	22									
39	5	13	1	4780707	14002F1	0	0	152	25	171	50	186	75	182	100	201			
39	5	13	2	4	+ 125	195	150	220	173	206	184	229	200	188	213	129			
39	5	13	3	4	+ 238	115	257	83	275	80	300	71	321	87	350	48			
39	5	13	4	4	+ 375	21	400	7	417	13	430	22							
39	5	14	1	4780927	12002F1	0	0	154	25	172	50	187	75	183	100	190			
39	5	14	2	4	+ 125	195	150	221	171	206	180	235	200	180	214	129			
39	5	14	3	4	+ 240	113	250	90	275	86	300	68	320	37	345	9			
39	5	14	4	4	+ 370	4	391	24											
39	5	15	1	4781215	10002F1	0	0	154	25	171	50	186	74	182	100	201			
39	5	15	2	4	+ 125	195	150	221	173	206	181	238	200	167	217	129			
39	5	15	3	4</															

39	6	8	2	3	+	151+	193+	171+	193+	189+	168+	220+	124+	264+	106+	285+	73
39	6	8	3	3	+	300+	57+	337+	22+	359+	4+	400+	30				
39	6	9	1	3700105	13002F1	+	0+	121+	50+	131+	100+	146+	112+	156+	135+	173	
39	6	9	2	3	+	151+	194+	171+	190+	189+	167+	220+	124+	249+	111+	276+	83
39	6	9	3	3	+	300+	73+	330+	34+	362+	1+	384+	33				
39	6	10	1	4700311	11002F1	+	0+	120+	25+	121+	50+	131+	75+	137+	100+	146	
39	6	10	2	4	+	125+	162+	150+	190+	161+	192+	173+	192+	175+	180+	192+	167
39	6	10	3	4	+	198+	161+	200+	156+	225+	123+	250+	113+	275+	93+	300+	77
39	6	10	4	4	+	325+	46+	350+	23+	375+	11+	384+	22				
39	6	11	1	5700006	17002F1	+	0+	121+	25+	119+	50+	131+	75+	138+	100+	147	
39	6	11	2	5	+	115+	155+	125+	163+	142+	178+	150+	191+	169+	194+	175+	192
39	6	11	3	5	+	198+	161+	200+	158+	222+	129+	225+	126+	234+	118+	250+	112
39	6	11	4	5	+	275+	95+	291+	85+	300+	65+	325+	38+	350+	14+	375+	2
39	6	11	5	5	+	400+	23										
39	6	12	1	2700008	16002F1	+	0+	120+	30+	131+	100+	146+	150+	192+	167+	193	
39	6	12	2	2	+	200+	153+	230+	119+	250+	113+	290+	63+	378+	12+	388+	21
39	6	13	1	4700707	14002F1	+	0+	120+	25+	120+	50+	128+	75+	137+	100+	145	
39	6	13	2	4	+	125+	164+	150+	191+	175+	189+	200+	156+	225+	124+	250+	112
39	6	13	3	4	+	275+	77+	300+	54+	325+	39+	339+	27+	350+	15+	375+	6
39	6	13	4	4	+	397+	27										
39	6	14	1	4700927	14002F1	+	0+	120+	25+	120+	50+	130+	75+	138+	100+	146	
39	6	14	2	4	+	125+	164+	150+	192+	172+	193+	190+	169+	200+	156+	225+	124
39	6	14	3	4	+	250+	107+	261+	80+	275+	65+	296+	60+	300+	57+	325+	26
39	6	14	4	4	+	350+	3+	375+	21								
39	6	15	1	4701215	12002F1	+	0+	121+	25+	122+	50+	131+	75+	138+	100+	146	
39	6	15	2	4	+	125+	163+	150+	192+	175+	188+	200+	153+	222+	160+	230+	119
39	6	15	3	4	+	250+	107+	275+	76+	300+	60+	325+	35+	350+	21+	375+	2
39	6	15	4	4	+	392+	14+	402+	20								
39	7	1	1	3750108	13002F1	+	0+	127+	32+	160+	53+	195+	79+	203+	100+	207	
39	7	1	2	3	+	115+	173+	127+	181+	152+	219+	179+	223+	196+	182+	221+	127
39	7	1	3	3	+	220+	108+	250+	78+	284+	54+	300+	43+	317+	28+	366+	26
39	7	2	1	3750303	12002F1	+	0+	127+	32+	160+	53+	198+	79+	200+	100+	206	
39	7	2	2	3	+	115+	175+	127+	184+	152+	219+	179+	221+	196+	182+	221+	131
39	7	2	3	3	+	230+	102+	251+	81+	278+	62+	300+	52+	350+	12+	372+	19
39	7	3	1	4750428	13002F1	+	0+	128+	32+	187+	53+	198+	79+	204+	100+	208	
39	7	3	2	4	+	115+	173+	127+	178+	192+	218+	179+	220+	187+	211+	196+	185
39	7	3	3	4	+	200+	171+	207+	152+	221+	131+	226+	114+	236+	106+	260+	98
39	7	3	4	4	+	284+	84+	300+	70+	315+	53+	358+	11+	380+	20		
39	7	4	1	5750602	12002F1	+	0+	127+	32+	159+	53+	198+	79+	208+	100+	204	
39	7	4	2	5	+	115+	173+	127+	178+	152+	219+	179+	222+	187+	210+	196+	182
39	7	4	3	5	+	200+	167+	207+	150+	221+	129+	226+	113+	234+	106+	262+	96
39	7	4	4	5	+	280+	76+	300+	58+	317+	49+	329+	35+	346+	12+	362+	5
39	7	4	5	5	+	378+	20										
39	7	5	1	4750702	12002F1	+	0+	127+	32+	155+	53+	196+	79+	206+	100+	204	
39	7	5	2	4	+	115+	174+	127+	177+	152+	218+	179+	222+	187+	209+	196+	183
39	7	5	3	4	+	200+	160+	207+	150+	221+	131+	226+	121+	243+	108+	265+	87
39	7	5	4	4	+	300+	64+	335+	39+	355+	18+	370+	7				
39	7	6	1	4750909	16002F1	+	0+	128+	32+	156+	53+	196+	79+	205+	100+	203	
39	7	6	2	4	+	115+	174+	127+	177+	152+	217+	179+	220+	187+	208+	196+	181
39	7	6	3	4	+	200+	160+	207+	149+	221+	126+	228+	119+	250+	103+	263+	90
39	7	6	4	4	+	283+	90+	289+	79+	300+	64+	319+	39+	342+	11+	374+	20
39	7	7	1	4751028	9002F1	+	0+	127+	32+	160+	53+	195+	79+	200+	100+	204	
39	7	7	2	4	+	115+	176+	127+	180+	152+	218+	179+	220+	196+	179+	221+	126
39	7	7	3	4	+	247+	105+	261+	92+	269+	76+	288+	62+	300+	53+	346+	16
39	7	7	4	4	+	370+	4+	385+	24								

39	7	A	1	475112A	9002F1	0+	12A	32+	159+	53+	196+	79+	203+	100+	208
39	7	A	2	4	+ 115+	173+	127+	176+	152+	219+	179+	219+	196+	183+	216+ 146
39	7	A	3	4	+ 229+	121+	25A	114+	2A5+	A2+	300+	66+	333+	34+	364+ 0
39	7	A	4	4	+ 397+	24									
39	7	A	1	3750105	13002F1	0+	12A	32+	155+	53+	191+	79+	207+	100+	204
39	7	A	2	3	+ 115+	173+	127+	177+	152+	216+	179+	221+	196+	182+	221+ 151
39	7	A	3	3	+ 247+	116+	275+	A9+	300+	62+	329+	40+	371+	5+	391+ 35
39	7	A	1	5750311	11002F1	0+	12A	25+	151+	50+	186+	75+	197+	100+	210
39	7	A	2	5	+ 116+	174+	125+	174+	137+	187+	150+	211+	154+	219+	169+ 212
39	7	A	3	5	+ 175+	215+	182+	221+	191+	207+	200+	182+	210+	157+	221+ 145
39	7	A	4	5	+ 225+	135+	229+	126+	230+	119+	275+	93+	300+	71+	325+ 45
39	7	A	5	5	+ 350+	23+	375+	11+	380+	21					
39	7	A	1	5750406	17002F1	0+	127+	19+	147+	25+	149+	50+	183+	55+	198
39	7	A	2	5	+ 75+	198+	100+	208+	114+	176+	135+	189+	150+	214+	153+ 220
39	7	A	3	5	+ 172+	214+	180+	220+	186+	212+	191+	205+	200+	177+	212+ 152
39	7	A	4	5	+ 220+	140+	230+	123+	250+	117+	275+	91+	300+	62+	325+ 43
39	7	A	5	5	+ 350+	22+	365+	9+	375+	0+	400+	17+	405+	21	
39	7	A	1	3750409	10002F1	0+	12A	50+	187+	100+	208+	117+	173+	150+	217
39	7	A	2	3	+ 17A	221+	213+	152+	226+	127+	250+	116+	300+	57+	350+ 16
39	7	A	3	3	+ 400+	29									
39	7	A	1	4750707	14002F1	0+	127+	25+	146+	54+	196+	75+	205+	100+	197
39	7	A	2	4	+ 118+	172+	152+	217+	165+	214+	179+	221+	200+	175+	213+ 150
39	7	A	3	4	+ 230+	123+	256+	110+	275+	79+	300+	57+	323+	63+	350+ 10
39	7	A	4	4	+ 375+	15+	390+	24							
39	7	A	1	4750927	14002F1	0+	129+	25+	145+	50+	180+	75+	203+	100+	196
39	7	A	2	4	+ 113+	173+	135+	182+	150+	219+	170+	214+	181+	222+	200+ 171
39	7	A	3	4	+ 215+	154+	229+	125+	231+	114+	856+	92+	275+	68+	287+ 62
39	7	A	4	4	+ 300+	47+	319+	24+	344+	3+	369+	22			
39	7	A	1	4751215	12002F1	0+	12A	25+	145+	50+	182+	75+	207+	100+	199
39	7	A	2	4	+ 125+	177+	150+	219+	175+	219+	800+	172+	217+	150+	224+ 140
39	7	A	3	4	+ 248+	113+	257+	83+	286+	69+	300+	57+	315+	39+	340+ 24
39	7	A	4	4	+ 365+	8+	390+	16+	400+	29					
39	A	1	1	3750106	13002F1	0+	120+	50+	130+	100+	159+	126+	177+	152+	199
39	A	1	2	3	+ 167+	217+	183+	214+	190+	222+	200+	174+	218+	132+	233+ 108
39	A	1	3	3	+ 264+	A9+	300+	44+	313+	30+	358+	20			
39	A	2	1	3750303	13002F1	0+	120+	50+	131+	100+	180+	126+	177+	152+	200
39	A	2	2	3	+ 167+	218+	183+	211+	190+	221+	200+	175+	218+	132+	233+ 106
39	A	2	3	3	+ 252+	A9+	272+	67+	300+	52+	344+	10+	367+	20	
39	A	3	1	475042A	13002F1	0+	119+	50+	129+	100+	158+	126+	178+	152+	201
39	A	3	2	4	+ 167+	218+	183+	210+	190+	219+	200+	167+	210+	142+	215+ 133
39	A	3	3	4	+ 226+	115+	249+	97+	277+	66+	300+	54+	319+	33+	349+ 5
39	A	3	4	4	+ 375+	20									
39	A	4	1	4750602	12002F1	0+	120+	50+	130+	100+	160+	126+	177+	152+	200
39	A	4	2	4	+ 167+	220+	183+	211+	190+	219+	200+	169+	210+	145+	215+ 133
39	A	4	3	4	+ 226+	116+	239+	107+	250+	98+	866+	79+	290+	61+	300+ 54
39	A	4	4	4	+ 327+	30+	349+	9+	366+	5+	381+	20			
39	A	5	1	3750702	12002F1	0+	119+	50+	130+	100+	159+	126+	176+	152+	200
39	A	5	2	3	+ 167+	217+	183+	213+	190+	220+	200+	170+	210+	147+	215+ 135
39	A	5	3	3	+ 226+	120+	243+	101+	269+	76+	300+	47+	331+	27+	358+ 0
39	A	6	1	3750909	16002F1	0+	120+	50+	130+	100+	180+	126+	178+	152+	200
39	A	6	2	3	+ 167+	218+	183+	211+	190+	221+	200+	172+	210+	145+	231+ 113
39	A	6	3	3	+ 255+	95+	287+	71+	300+	59+	317+	45+	339+	22+	383+ 22
39	A	7	1	475102A	2002F1	0+	120+	50+	128+	100+	180+	126+	178+	152+	200
39	A	7	2	4	+ 167+	218+	188+	218+	190+	222+	200+	167+	218+	135+	222+ 124
39	A	7	3	4	+ 243+	102+	259+	90+	270+	71+	285+	58+	300+	50+	334+ 30

39	B	7	4	4	+	372-	0+	388-	31										
39	B	8	1	3751126	10002F1	+	0+	119+	50+	129+	100+	159+	126+	177+	152+	199			
39	B	8	2	3	+	107+	217+	104+	221+	200+	169+	218+	133+	232+	110+	200+	101		
39	B	8	3	3	+	300+	58+	355+	10+	393-	25								
39	B	9	1	3700105	13002F1	+	0+	119+	50+	129+	100+	159+	126+	176+	152+	202			
39	B	9	2	3	+	107+	217+	149+	216+	200+	171+	222+	126+	239+	114+	205+	91		
39	B	9	3	3	+	300+	60+	332+	28+	308-	13+	390-	41						
39	B	10	1	4700311	11002F1	+	0+	119+	25+	123+	50+	128+	75+	134+	100+	155			
39	B	10	2	4	+	125+	174+	150+	192+	168+	216+	175+	217+	189+	204+	194+	218		
39	B	10	3	4	+	200+	196+	210+	160+	225+	132+	250+	111+	275+	84+	300+	61		
39	B	10	4	4	+	125+	41+	350+	23+	375-	20								
39	B	11	1	5700407	8002F1	+	0+	120+	25+	123+	50+	129+	75+	140+	100+	157			
39	B	11	2	5	+	125+	175+	150+	195+	175+	220+	181+	220+	188+	210+	193+	219		
39	B	11	3	5	+	143+	214+	195+	215+	200+	189+	208+	161+	225+	132+	231+	123		
39	B	11	4	5	+	250+	104+	275+	82+	300+	59+	325+	39+	357+	12+	380-	0		
39	B	11	5	5	+	345-	20												
39	B	12	1	3700609	10002F1	+	0+	120+	50+	130+	100+	158+	150+	190+	175+	218			
39	B	12	2	3	+	104+	212+	140+	218+	210+	148+	240+	113+	300+	51+	344+	17		
39	B	12	3	3	+	400-	28												
39	B	13	1	4700708	10002F1	+	0+	120+	25+	122+	50+	130+	75+	140+	100+	158			
39	B	13	2	4	+	125+	175+	150+	196+	166+	218+	175+	220+	185+	211+	200+	183		
39	B	13	3	4	+	225+	124+	250+	103+	285+	63+	300+	42+	325+	14+	346-	7		
39	B	13	4	4	+	375-	31												
39	B	14	1	4700927	14002F1	+	0+	120+	25+	121+	50+	128+	75+	140+	100+	158			
39	B	14	2	4	+	125+	175+	150+	197+	175+	222+	185+	209+	192+	221+	200+	177		
39	B	14	3	4	+	214+	134+	230+	117+	239+	97+	250+	82+	275+	62+	300+	36		
39	B	14	4	4	+	325+	8+	350-	21										
39	B	15	1	4701216	9002F1	+	0+	120+	25+	121+	50+	127+	75+	140+	100+	158			
39	B	15	2	4	+	125+	175+	150+	196+	175+	219+	191+	221+	200+	179+	224+	136		
39	B	15	3	4	+	250+	81+	275+	70+	300+	54+	325+	33+	350+	13+	395-	5		
39	B	15	4	4	+	346-	23												
39	Q	1	1	3750106	13002F1	+	0+	121+	50+	133+	79+	149+	100+	147+	127+	159			
39	Q	1	2	3	+	150+	170+	173+	227+	190+	204+	200+	174+	222+	120+	259+	98		
39	Q	1	3	3	+	242+	55+	300+	48+	317+	32+	362-	23						
39	Q	2	1	3750303	13002F1	+	0+	120+	50+	134+	79+	147+	100+	148+	127+	161			
39	Q	2	2	3	+	150+	178+	173+	228+	191+	196+	200+	169+	218+	125+	245+	103		
39	Q	2	3	3	+	264+	74+	277+	61+	300+	46+	322+	29+	339+	8+	363-	20		
39	Q	3	1	4750428	13002F1	+	0+	120+	50+	133+	79+	147+	100+	146+	127+	158			
39	Q	3	2	4	+	150+	176+	173+	229+	182+	215+	191+	198+	200+	170+	206+	151		
39	Q	3	3	4	+	210+	145+	217+	127+	235+	115+	254+	96+	277+	85+	300+	65		
39	Q	3	4	4	+	321+	38+	356-	1+	376-	20								
39	Q	4	1	5750602	13002F1	+	0+	120+	50+	134+	79+	146+	100+	146+	127+	158			
39	Q	4	2	5	+	150+	175+	173+	226+	182+	217+	191+	199+	200+	174+	206+	155		
39	Q	4	3	5	+	210+	145+	217+	130+	228+	118+	242+	109+	264+	82+	275+	76		
39	Q	4	4	5	+	242+	60+	300+	53+	309+	47+	326+	28+	353+	0+	369+	0		
39	Q	4	5	5	+	365-	20												
39	Q	5	1	4750702	12002F1	+	0+	120+	50+	133+	79+	150+	100+	143+	127+	157			
39	Q	5	2	4	+	150+	175+	173+	226+	182+	221+	191+	203+	200+	174+	206+	159		
39	Q	5	3	4	+	210+	148+	217+	133+	230+	120+	256+	106+	286+	74+	300+	63		
39	Q	5	4	4	+	332+	38+	353+	12+	370-	5								
39	Q	6	1	4750909	16002F1	+	0+	121+	50+	133+	79+	147+	100+	145+	127+	159			
39	Q	6	2	4	+	150+	177+	173+	227+	182+	213+	191+	196+	200+	167+	210+	143		
39	Q	6	3	4	+	222+	124+	240+	114+	264+	91+	279+	80+	300+	54+	329+	32		
39	Q	6	4	4	+	355+	5+	384-	25										
39	Q	7	1	4751028	9002F1	+	0+	120+	50+	134+	79+	149+	100+	151+	127+	160			

39 9 7 2 4 + 150+ 177+ 173+ 231+ 190+ 201+ 200+ 167+ 222+ 125+ 234+ 118
39 9 7 3 4 + 250+ 104+ 261+ 92+ 274+ 66+ 300+ 46+ 340+ 25+ 369+ 2
39 9 7 4 4 + 307+ 21
39 9 A 1 3751126 11002F1 + 0+ 120+ 50+ 133+ 79+ 147+ 100+ 148+ 127+ 158
39 9 A 2 3 + 150+ 175+ 174+ 227+ 190+ 199+ 200+ 168+ 222+ 126+ 257+ 100
39 9 A 3 3 + 284+ A2+ 300+ 71+ 349+ 19+ 383+ 23
39 9 9 1 3760105 15002F1 + 0+ 120+ 50+ 133+ 79+ 145+ 100+ 148+ 127+ 158
39 9 9 2 3 + 150+ 175+ 173+ 229+ 190+ 199+ 200+ 169+ 222+ 125+ 248+ 103
39 9 9 3 3 + 267+ A5+ 294+ 72+ 300+ 65+ 330+ 29+ 365+ 5+ 391+ 51
39 9 10 1 3760311 12002F1 + 0+ 121+ 25+ 126+ 50+ 135+ 62+ 141+ 66+ 150
39 9 10 2 5 + 75+ 151+ A1+ 148+ 100+ 147+ 116+ 158+ 125+ 158+ 150+ 174
39 9 10 3 5 + 175+ 225+ 176+ 226+ 178+ 226+ 192+ 204+ 200+ 180+ 213+ 145
39 9 10 4 5 + 225+ 126+ 250+ 103+ 275+ A2+ 300+ 61+ 325+ 37+ 380+ 19
39 9 10 5 5 + 375+ 10+ 392+ 36
39 9 11 1 4760007 8002F1 + 0+ 121+ 25+ 126+ 50+ 133+ 62+ 140+ 72+ 155
39 9 11 2 4 + 62+ 144+ 100+ 148+ 125+ 159+ 150+ 175+ 155+ 183+ 177+ 227
39 9 11 3 4 + 174+ 226+ 196+ 187+ 200+ 181+ 213+ 146+ 226+ 126+ 250+ 105
39 9 11 4 4 + 300+ 60+ 325+ 41+ 338+ 34+ 375+ 1+ 399+ 23
39 9 12 1 3760609 11002F1 + 0+ 121+ 50+ 133+ 100+ 147+ 127+ 157+ 173+ 226
39 9 12 2 3 + 200+ 162+ 219+ 132+ 236+ 111+ 250+ 90+ 300+ 46+ 334+ 17
39 9 12 3 3 + 350+ 1+ 385+ 27
39 9 13 1 3760708 11002F1 + 0+ 120+ 25+ 125+ 50+ 133+ 79+ 152+ 100+ 149
39 9 13 2 3 + 125+ 159+ 150+ 175+ 176+ 225+ 200+ 175+ 219+ 130+ 245+ 104
39 9 13 3 3 + 265+ 78+ 279+ 66+ 300+ 27+ 323+ 1+ 345+ 21+ 360+ 33
39 9 14 1 3760927 15002F1 + 0+ 121+ 25+ 126+ 50+ 134+ 79+ 149+ 100+ 146
39 9 14 2 3 + 125+ 160+ 150+ 176+ 175+ 233+ 200+ 177+ 221+ 131+ 246+ 86
39 9 14 3 3 + 250+ 75+ 275+ 63+ 300+ 36+ 325+ 8+ 350+ 13+ 375+ 29
39 9 15 1 4761216 9002F1 + 0+ 120+ 25+ 126+ 50+ 133+ 75+ 150+ 100+ 146
39 9 15 2 4 + 125+ 158+ 150+ 175+ 175+ 229+ 197+ 189+ 222+ 137+ 230+ 122
39 9 15 3 4 + 250+ A4+ 275+ 68+ 300+ 57+ 325+ 33+ 350+ 16+ 375+ 2
39 9 15 4 4 + 400+ 21
39 10 1 1 3750106 14002F1 + 0+ 130+ 50+ 133+ 100+ 143+ 124+ 157+ 145+ 198
39 10 1 2 3 + 156+ 216+ 177+ 202+ 200+ 189+ 218+ 140+ 231+ 113+ 272+ 89
39 10 1 3 3 + 287+ 65+ 300+ 49+ 321+ 31+ 371+ 24
39 10 2 1 4750303 13002F1 + 0+ 131+ 50+ 134+ 100+ 145+ 124+ 161+ 145+ 203
39 10 2 2 4 + 156+ 214+ 177+ 200+ 195+ 191+ 200+ 169+ 218+ 127+ 232+ 107
39 10 2 3 4 + 251+ 92+ 254+ A2+ 273+ 60+ 288+ 50+ 300+ 40+ 326+ 23
39 10 2 4 4 + 361+ 20
39 10 3 1 3750428 13002F1 + 0+ 129+ 50+ 133+ 100+ 144+ 124+ 158+ 145+ 201
39 10 3 2 3 + 156+ 214+ 177+ 201+ 195+ 190+ 200+ 182+ 212+ 148+ 221+ 123
39 10 3 3 3 + 233+ 102+ 259+ A1+ 300+ 56+ 318+ 37+ 396+ 1+ 379+ 20
39 10 4 1 4750602 13002F1 + 0+ 131+ 50+ 133+ 100+ 144+ 124+ 158+ 145+ 199
39 10 4 2 4 + 156+ 216+ 177+ 200+ 195+ 189+ 200+ 178+ 212+ 146+ 221+ 123
39 10 4 3 4 + 232+ 103+ 254+ A5+ 282+ 66+ 300+ 54+ 327+ 37+ 344+ 17
39 10 4 4 4 + 354+ 4+ 383+ 20
39 10 5 1 3750702 12002F1 + 0+ 131+ 50+ 133+ 100+ 145+ 124+ 160+ 145+ 199
39 10 5 2 3 + 156+ 217+ 177+ 201+ 195+ 190+ 200+ 182+ 212+ 150+ 221+ 126
39 10 5 3 3 + 237+ 107+ 262+ A6+ 300+ 54+ 337+ 23+ 367+ 0
39 10 6 1 3750909 9002F1 + 0+ 130+ 50+ 133+ 100+ 145+ 124+ 161+ 145+ 201
39 10 6 2 3 + 156+ 215+ 177+ 201+ 195+ 190+ 200+ 176+ 220+ 125+ 233+ 109
39 10 6 3 3 + 255+ 44+ 284+ 78+ 300+ 60+ 326+ 37+ 350+ 11+ 382+ 27
39 10 7 1 3751028 10002F1 + 0+ 131+ 50+ 135+ 100+ 145+ 124+ 160+ 145+ 197
39 10 7 2 3 + 156+ 214+ 177+ 200+ 200+ 173+ 218+ 133+ 233+ 110+ 252+ 98
39 10 7 3 3 + 265+ A5+ 273+ 67+ 300+ 44+ 346+ 22+ 370+ 4+ 397+ 31
39 10 A 1 3751126 11002F1 + 0+ 130+ 50+ 133+ 100+ 144+ 124+ 160+ 145+ 202

39	10	M 2 3	+ 150+ 214+ 177+ 200+ 195+ 190+ 218+ 132+ 232+ 117+ 250+ 110
39	10	M 3 3	+ 285+ 83+ 300+ 69+ 345+ 19+ 302+ 28
39	10	9 1 3700105	14002F1 + 0+ 130+ 50+ 134+ 100+ 148+ 124+ 163+ 145+ 203
39	10	4 2 3	+ 150+ 213+ 177+ 190+ 195+ 190+ 218+ 131+ 254+ 112+ 280+ 60
39	10	4 3 3	+ 300+ 50+ 334+ 23+ 372+ 13+ 392+ 36
39	10	10 1 4700311	12002F1 + 0+ 131+ 25+ 132+ 50+ 134+ 75+ 143+ 100+ 140
39	10	10 2 4	+ 125+ 154+ 150+ 205+ 158+ 210+ 175+ 208+ 200+ 190+ 200+ 107
39	10	10 3 4	+ 212+ 162+ 225+ 130+ 232+ 121+ 255+ 113+ 275+ 89+ 300+ 64
39	10	10 4 4	+ 325+ 14+ 350+ 14+ 375+ 14+ 380+ 20
39	10	11 1 3700407	4002F1 + 0+ 131+ 25+ 132+ 50+ 133+ 75+ 142+ 100+ 144
39	10	11 2 3	+ 130+ 104+ 158+ 216+ 178+ 202+ 200+ 190+ 207+ 160+ 211+ 163
39	10	11 3 3	+ 231+ 123+ 250+ 117+ 275+ 91+ 300+ 58+ 344+ 25+ 400+ 26
39	10	12 1 3700609	11002F1 + 0+ 133+ 50+ 133+ 100+ 144+ 128+ 163+ 150+ 215
39	10	12 2 3	+ 180+ 184+ 196+ 191+ 223+ 123+ 248+ 114+ 300+ 49+ 341+ 11
39	10	12 3 3	+ 340+ 32
39	10	13 1 4700704	11002F1 + 0+ 131+ 85+ 133+ 50+ 134+ 75+ 143+ 100+ 145
39	10	13 2 4	+ 125+ 154+ 150+ 209+ 156+ 217+ 175+ 204+ 200+ 181+ 208+ 164
39	10	13 3 4	+ 224+ 123+ 249+ 114+ 274+ 76+ 279+ 58+ 300+ 25+ 320+ 4
39	10	13 4 4	+ 350+ 25
39	10	14 1 4700927	15002F1 + 0+ 132+ 25+ 131+ 50+ 134+ 75+ 143+ 100+ 145
39	10	14 2 4	+ 125+ 160+ 150+ 210+ 165+ 214+ 175+ 204+ 195+ 188+ 200+ 175
39	10	14 3 4	+ 213+ 150+ 225+ 132+ 239+ 117+ 247+ 91+ 272+ 67+ 297+ 35
39	10	14 4 4	+ 300+ 30+ 322+ 6+ 347+ 13+ 372+ 28
39	10	15 1 4701216	9002F1 + 0+ 131+ 25+ 131+ 50+ 133+ 75+ 142+ 100+ 143
39	10	15 2 4	+ 125+ 158+ 150+ 208+ 175+ 204+ 198+ 188+ 204+ 166+ 207+ 172
39	10	15 3 4	+ 230+ 110+ 254+ 80+ 275+ 65+ 300+ 46+ 325+ 28+ 350+ 12
39	10	15 4 4	+ 375+ 4+ 400+ 80
39	08	16 1 7770728	1000DF1 + 180+ 76+ 140+ 65+ 160+ 64+ 180+ 21+ 200+ 80
39	08	16 2 7	+ 220+ 124+ 200+ 184+ 300+ 201+ 340+ 209+ 380+ 234+ 420+ 260
39	08	16 3 7	+ 400+ 272+ 500+ 296+ 540+ 317+ 580+ 353+ 620+ 360+ 660+ 364
39	08	16 4 7	+ 700+ 349+ 740+ 338+ 780+ 335+ 820+ 338+ 860+ 345+ 900+ 351
39	08	16 5 7	+ 940+ 360+ 980+ 370+ 1020+ 375+ 1060+ 387+ 1100+ 399+ 1140+ 410
39	08	16 6 7	+ 1180+ 425+ 1220+ 438+ 1260+ 444+ 1300+ 452+ 1340+ 457+ 1380+ 460
39	08	16 7 7	+ 1420+ 466+ 1460+ 477+ 1500+ 480+ 1540+ 485+ 1580+ 486+ 1620+ 492
39	08	17 1 7770811	1200DF1 + 120+ 76+ 140+ 64+ 160+ 64+ 180+ 21+ 200+ 77
39	08	17 2 7	+ 220+ 124+ 200+ 183+ 300+ 199+ 340+ 202+ 380+ 214+ 420+ 253
39	08	17 3 7	+ 460+ 265+ 500+ 276+ 540+ 314+ 580+ 348+ 620+ 362+ 660+ 362
39	08	17 4 7	+ 700+ 350+ 740+ 340+ 780+ 345+ 820+ 342+ 860+ 341+ 900+ 344
39	08	17 5 7	+ 940+ 352+ 980+ 361+ 1020+ 371+ 1060+ 381+ 1100+ 390+ 1140+ 404
39	08	17 6 7	+ 1180+ 421+ 1220+ 431+ 1260+ 440+ 1300+ 447+ 1340+ 448+ 1380+ 454
39	08	17 7 7	+ 1420+ 463+ 1460+ 472+ 1500+ 475+ 1540+ 480+ 1580+ 483+ 1620+ 486
39	08	18 1 9771021	1430DF1 + 120+ 76+ 140+ 64+ 160+ 62+ 180+ 21+ 200+ 76
39	08	18 2 9	+ 220+ 120+ 200+ 174+ 300+ 194+ 340+ 214+ 380+ 251+ 420+ 275
39	08	18 3 9	+ 460+ 298+ 500+ 331+ 540+ 354+ 580+ 364+ 620+ 362+ 660+ 359
39	08	18 4 9	+ 700+ 354+ 740+ 346+ 780+ 345+ 820+ 340+ 860+ 340+ 900+ 346
39	08	18 5 9	+ 940+ 361+ 980+ 374+ 1020+ 384+ 1060+ 404+ 1100+ 414+ 1140+ 423
39	08	18 6 9	+ 1180+ 433+ 1220+ 440+ 1260+ 457+ 1300+ 458+ 1340+ 472+ 1380+ 476
39	08	18 7 9	+ 1420+ 500+ 1460+ 490+ 1500+ 497+ 1540+ 512+ 1580+ 509+ 1620+ 524
39	08	18 8 9	+ 1660+ 520+ 1700+ 529+ 1740+ 531+ 1780+ 540+ 1820+ 536+ 1860+ 540
39	08	18 9 9	+ 1900+ 541+ 1940+ 547
39	08	19 1 9771121	815DF1 + 120+ 76+ 140+ 65+ 160+ 62+ 180+ 20+ 200+ 78
39	08	19 2 9	+ 220+ 124+ 200+ 174+ 300+ 204+ 340+ 231+ 380+ 275+ 420+ 272
39	08	19 3 9	+ 460+ 270+ 500+ 281+ 540+ 296+ 580+ 324+ 620+ 339+ 660+ 377
39	08	19 4 9	+ 700+ 405+ 740+ 414+ 780+ 420+ 820+ 425+ 860+ 426+ 900+ 426
39	08	19 5 9	+ 940+ 414+ 980+ 409+ 1020+ 400+ 1060+ 398+ 1100+ 383+ 1140+ 400

39 6A 14 6 9 +1180= 402+1220= 420+1260= 447+1300= 466+1340= 476+1380= 483
39 6A 14 7 4 +1020= 487+1460= 493+1500= 494+1540= 492+1580= 496+1620= 495
39 6A 14 8 9 +1600= 493+1700= 497+1740= 498+1780= 504+1820= 505+1860= 507
39 6A 14 9 9 +1900= 507+1940= 502
39 6A 20 1 97A0117 1450DF1 + 120= 75+ 140= 63+ 160= 62+ 180= 22+ 200= 79
39 6A 20 2 9 + 220= 131+ 260= 181+ 300= 202+ 340= 221+ 380= 261+ 420= 305
39 6A 20 3 9 + 460= 320+ 400= 319+ 540= 315+ 580= 310+ 620= 308+ 660= 310
39 6A 20 4 9 + 700= 353+ 740= 407+ 780= 431+ 820= 430+ 860= 439+ 900= 441
39 6A 20 5 9 + 940= 436+ 980= 439+1020= 446+1060= 442+1100= 437+1140= 440
39 6A 20 6 9 +1180= 449+1220= 449+1260= 450+1300= 456+1340= 469+1380= 476
39 6A 20 7 9 +1420= 463+1460= 485+1500= 489+1540= 496+1580= 505+1620= 529
39 6A 20 8 9 +1660= 529+1700= 528+1740= 530+1780= 529+1820= 535+1860= 524
39 6A 20 9 9 +1900= 517+1940= 511
39 6A 21 1 97A0228 1015DF1 + 120= 76+ 140= 61+ 160= 63+ 180= 22+ 200= 80
39 6A 21 2 9 + 220= 128+ 260= 189+ 300= 188+ 340= 222+ 380= 256+ 420= 304
39 6A 21 3 9 + 460= 311+ 500= 310+ 540= 313+ 580= 314+ 620= 311+ 660= 317
39 6A 21 4 9 + 700= 331+ 740= 369+ 780= 383+ 820= 417+ 860= 417+ 900= 419
39 6A 21 5 9 + 940= 425+ 980= 420+1020= 420+1060= 420+1100= 426+1140= 431
39 6A 21 6 9 +1180= 430+1220= 435+1260= 441+1300= 450+1340= 460+1380= 476
39 6A 21 7 9 +1420= 481+1460= 489+1500= 493+1540= 504+1580= 510+1620= 515
39 6A 21 8 9 +1660= 520+1700= 525+1740= 530+1780= 530+1820= 534+1860= 534
39 6A 21 9 9 +1900= 512+1940= 528
39 6A 22 1 97A0411 945DF1 + 120= 77+ 140= 63+ 160= 65+ 180= 20+ 200= 80
39 6A 22 2 9 + 220= 129+ 260= 178+ 300= 183+ 340= 214+ 380= 240+ 420= 290
39 6A 22 3 9 + 460= 307+ 500= 305+ 540= 303+ 580= 309+ 620= 311+ 660= 318
39 6A 22 4 9 + 700= 329+ 740= 381+ 780= 410+ 820= 420+ 860= 419+ 900= 417
39 6A 22 5 9 + 940= 415+ 980= 416+1020= 414+1060= 419+1100= 415+1140= 415
39 6A 22 6 9 +1180= 423+1220= 431+1260= 440+1300= 440+1340= 460+1380= 467
39 6A 22 7 9 +1420= 472+1460= 479+1500= 482+1540= 483+1580= 484+1620= 486
39 6A 22 8 9 +1660= 485+1700= 489+1740= 493+1780= 497+1820= 494+1860= 496
39 6A 22 9 9 +1900= 497+1940= 498
39 6A 23 1 97A0520 1000DF1 + 120= 77+ 140= 63+ 160= 60+ 180= 20+ 200= 81
39 6A 23 2 9 + 220= 130+ 260= 179+ 300= 199+ 340= 212+ 380= 243+ 420= 292
39 6A 23 3 9 + 460= 291+ 500= 292+ 540= 296+ 580= 299+ 620= 308+ 660= 321
39 6A 23 4 9 + 700= 367+ 740= 383+ 780= 400+ 820= 412+ 860= 418+ 900= 420
39 6A 23 5 9 + 940= 421+ 980= 420+1020= 418+1060= 416+1100= 417+1140= 415
39 6A 23 6 9 +1180= 417+1220= 422+1260= 430+1300= 440+1340= 447+1380= 455
39 6A 23 7 9 +1420= 455+1460= 478+1500= 490+1540= 490+1580= 508+1620= 520
39 6A 23 8 9 +1660= 523+1700= 540+1740= 540+1780= 550+1820= 550+1860= 550
39 6A 23 9 9 +1900= 550+1940= 540+1960= 540
39 6A 24 1 97A0717 1330DF1 + 120= 78+ 140= 64+ 160= 62+ 180= 20+ 200= 80
39 6A 24 2 9 + 220= 124+ 260= 170+ 300= 193+ 340= 210+ 380= 247+ 420= 273
39 6A 24 3 9 + 460= 271+ 500= 280+ 540= 288+ 580= 294+ 620= 310+ 660= 320
39 6A 24 4 9 + 700= 344+ 740= 367+ 780= 389+ 820= 408+ 860= 413+ 900= 420
39 6A 24 5 9 + 940= 420+ 980= 418+1020= 412+1060= 412+1100= 406+1140= 406
39 6A 24 6 9 +1180= 410+1220= 415+1260= 422+1300= 430+1340= 440+1380= 449
39 6A 24 7 9 +1420= 462+1460= 472+1500= 480+1540= 491+1580= 500+1620= 510
39 6A 24 8 9 +1660= 510+1700= 525+1740= 529+1780= 530+1820= 537+1860= 536
39 6A 24 9 9 +1900= 515+1940= 531
39 6A 25 1 97A0823 1430DF1 + 120= 78+ 140= 65+ 160= 62+ 180= 22+ 200= 79
39 6A 25 2 9 + 220= 132+ 260= 171+ 300= 192+ 340= 208+ 380= 234+ 420= 253
39 6A 25 3 9 + 460= 272+ 500= 274+ 540= 277+ 580= 287+ 620= 291+ 660= 319
39 6A 25 4 9 + 700= 338+ 740= 363+ 780= 389+ 820= 413+ 860= 417+ 900= 423
39 6A 25 5 9 + 940= 421+ 980= 420+1020= 412+1060= 410+1100= 408+1140= 406
39 6A 25 6 9 +1180= 410+1220= 415+1260= 422+1300= 429+1340= 440+1380= 455

14

39 08 25 7 4	+1200 474+1400=	469+1500=	472+1540=	490+1580=	493+1620=	510
39 08 25 8 4	+1600 511+1700=	516+1740=	534+1780=	532+1820=	538+1860=	540
39 08 25 9 4	+1400 500+1940=	534				
39 08 26 1 4781116	13000+1 + 1200	78+ 1400=	63+ 1800=	60+ 1800=	20+ 2000=	79
39 08 26 2 4	+ 2200 122+ 2600=	169+ 3000=	180+ 3400=	215+ 3800=	262+ 4200=	290
39 08 26 3 4	+ 4000 303+ 5000=	302+ 5400=	289+ 5800=	288+ 6200=	294+ 6600=	300
39 08 26 4 4	+ 7000 374+ 7400=	321+ 7800=	342+ 8200=	367+ 8600=	391+ 9000=	394
39 08 26 5 4	+ 9400 400+ 9800=	399+10200=	390+10600=	397+11000=	397+11400=	401
39 08 26 6 4	+11000 404+12200=	418+12600=	423+13000=	432+13400=	442+13800=	450
39 08 26 7 4	+14200 454+14600=	469+15000=	480+15400=	487+15800=	496+16200=	502
39 08 26 8 4	+16000 514+17000=	519+17400=	520+17800=	523+18200=	526+18600=	530
39 08 26 9 4	+19000 523+19400=	533				
39 08 27 1 4781121	14050+1 + 1200	79+ 1400=	63+ 1800=	62+ 1800=	20+ 2000=	75
39 08 27 2 4	+ 2200 125+ 2600=	160+ 3000=	196+ 3400=	230+ 3800=	258+ 4200=	280
39 08 27 3 4	+ 4000 315+ 5000=	312+ 5400=	330+ 5800=	312+ 6200=	343+ 6600=	360
39 08 27 4 4	+ 7000 362+ 7400=	353+ 7800=	339+ 8200=	343+ 8600=	357+ 9000=	368
39 08 27 5 4	+ 9400 384+ 9800=	390+10200=	392+10600=	403+11000=	407+11400=	413
39 08 27 6 4	+11000 421+12200=	439+12600=	434+13000=	442+13400=	447+13800=	458
39 08 27 7 4	+14200 475+14600=	477+15000=	483+15400=	495+15800=	505+16200=	504
39 08 27 8 4	+16000 527+17000=	518+17400=	514+17800=	520+18200=	526+18600=	521
39 08 27 9 4	+19000 544+19400=	530				
39 08 28 1 4740116	11000+1 + 1200	78+ 1400=	63+ 1800=	62+ 1800=	21+ 2000=	74
39 08 28 2 4	+ 2200 134+ 2600=	164+ 3000=	225+ 3400=	246+ 3800=	254+ 4200=	280
39 08 28 3 4	+ 4000 267+ 5000=	284+ 5400=	333+ 5800=	353+ 6200=	366+ 6600=	366
39 08 28 4 4	+ 7000 367+ 7400=	369+ 7800=	369+ 8200=	365+ 8600=	371+ 9000=	372
39 08 28 5 4	+ 9400 380+ 9800=	385+10200=	400+10600=	403+11000=	405+11400=	416
39 08 28 6 4	+11000 420+12200=	429+12600=	439+13000=	441+13400=	447+13800=	454
39 08 28 7 4	+14200 464+14600=	471+15000=	480+15400=	485+15800=	493+16200=	500
39 08 28 8 4	+16000 503+17000=	507+17400=	510+17800=	514+18200=	515+18600=	514
39 08 28 9 4	+19000 520+19400=	517				
39 08 29 1 4740220	14500+1 + 1200	77+ 1400=	63+ 1800=	63+ 1800=	21+ 2000=	79
39 08 29 2 4	+ 2200 124+ 2600=	170+ 3000=	216+ 3400=	249+ 3800=	300+ 4200=	292
39 08 29 3 4	+ 4000 241+ 5000=	288+ 5400=	294+ 5800=	313+ 6200=	337+ 6600=	357
39 08 29 4 4	+ 7000 370+ 7400=	390+ 7800=	410+ 8200=	409+ 8600=	417+ 9000=	433
39 08 29 5 4	+ 9400 414+ 9800=	399+10200=	402+10600=	385+11000=	366+11400=	377
39 08 29 6 4	+11000 397+12200=	406+12600=	424+13000=	443+13400=	460+13800=	470
39 08 29 7 4	+14200 445+14600=	469+15000=	505+15400=	502+15800=	510+16200=	517
39 08 29 8 4	+16000 523+17000=	536+17400=	527+17800=	542+18200=	550+18600=	537
39 08 29 9 4	+19000 540+19400=	540				
39 08 30 1 4740322	15150+1 + 1200	76+ 1400=	63+ 1800=	63+ 1800=	23+ 2000=	79
39 08 30 2 4	+ 2200 125+ 2600=	175+ 3000=	218+ 3400=	232+ 3800=	282+ 4200=	287
39 08 30 3 4	+ 4000 245+ 5000=	290+ 5400=	292+ 5800=	290+ 6200=	308+ 6600=	332
39 08 30 4 4	+ 7000 313+ 7400=	360+ 7800=	388+ 8200=	400+ 8600=	423+ 9000=	409
39 08 30 5 4	+ 9400 417+ 9800=	422+10200=	421+10600=	410+11000=	395+11400=	369
39 08 30 6 4	+11000 388+12200=	399+12600=	417+13000=	432+13400=	454+13800=	463
39 08 30 7 4	+14200 470+14600=	480+15000=	487+15400=	495+15800=	506+16200=	510
39 08 30 8 4	+16000 515+17000=	527+17400=	528+17800=	530+18200=	531+18600=	530
39 08 30 9 4	+19000 534+19400=	530				
39 08 31 1 7770727	14000+1 + 1200	76+ 1400=	71+ 1800=	69+ 1800=	44+ 2000=	71
39 08 31 2 7	+ 2200 120+ 2600=	178+ 3000=	200+ 3400=	205+ 3800=	226+ 4200=	250
39 08 31 3 7	+ 4000 273+ 5000=	290+ 5400=	322+ 5800=	362+ 6200=	385+ 6600=	394
39 08 31 4 7	+ 7000 384+ 7400=	367+ 7800=	350+ 8200=	342+ 8600=	366+ 9000=	356
39 08 31 5 7	+ 9400 360+ 9800=	372+10200=	380+10600=	392+11000=	400+11400=	402
39 08 31 6 7	+11000 427+12200=	440+12600=	446+13000=	456+13400=	460+13800=	466
39 08 31 7 7	+14200 470+14600=	480+15000=	485+15400=	487+15800=	488+16200=	497

34 64	17 1 777 111	11000F1	+ 120=	75+ 140=	70+ 100=	68+ 180=	42+ 200=	73
34 64	17 2 7	+ 220=	121+ 260=	183+ 300=	198+ 340=	201+ 380=	223+ 420=	254
34 64	17 3 7	+ 400=	268+ 500=	279+ 540=	317+ 580=	359+ 620=	383+ 660=	391
34 64	17 4 7	+ 700=	344+ 740=	368+ 780=	360+ 820=	350+ 860=	347+ 900=	350
34 64	17 5 7	+ 940=	357+ 980=	365+ 1020=	378+ 1060=	390+ 1100=	399+ 1140=	410
34 64	17 6 7	+ 1180=	423+ 1220=	437+ 1260=	447+ 1300=	455+ 1340=	457+ 1380=	463
34 64	17 7 7	+ 1420=	470+ 1460=	476+ 1500=	480+ 1540=	482+ 1580=	488+ 1620=	491
34 64	18 1 777 123	15000F1	+ 120=	76+ 140=	69+ 160=	68+ 180=	41+ 200=	72
34 64	18 2 4	+ 220=	120+ 260=	122+ 300=	196+ 340=	222+ 380=	250+ 420=	272
34 64	18 3 4	+ 400=	310+ 500=	344+ 540=	370+ 580=	375+ 620=	384+ 660=	376
34 64	18 4 4	+ 700=	373+ 740=	364+ 780=	354+ 820=	350+ 860=	352+ 900=	363
34 64	18 5 4	+ 940=	380+ 980=	395+ 1020=	409+ 1060=	422+ 1100=	431+ 1140=	442
34 64	18 6 4	+ 1180=	450+ 1220=	458+ 1260=	471+ 1300=	478+ 1340=	490+ 1380=	491
34 64	18 7 9	+ 1420=	496+ 1460=	506+ 1500=	510+ 1540=	518+ 1580=	518+ 1620=	526
34 64	18 8 9	+ 1660=	530+ 1700=	537+ 1740=	533+ 1780=	546+ 1820=	539+ 1860=	546
34 64	18 9 4	+ 1900=	519+ 1940=	532				
34 64	19 1 777 1121	7150F1	+ 120=	76+ 140=	69+ 160=	67+ 180=	41+ 200=	72
34 64	19 2 4	+ 220=	121+ 260=	174+ 300=	203+ 340=	232+ 380=	279+ 420=	276
34 64	19 3 9	+ 400=	277+ 500=	284+ 540=	296+ 580=	323+ 620=	339+ 660=	367
34 64	19 4 9	+ 700=	398+ 740=	416+ 780=	422+ 820=	424+ 860=	425+ 900=	424
34 64	19 5 9	+ 940=	416+ 980=	409+ 1020=	400+ 1060=	382+ 1100=	372+ 1140=	375
34 64	19 6 4	+ 1180=	372+ 1220=	409+ 1260=	430+ 1300=	451+ 1340=	467+ 1380=	478
34 64	19 7 4	+ 1420=	486+ 1460=	491+ 1500=	493+ 1540=	498+ 1580=	502+ 1620=	500
34 64	19 8 4	+ 1660=	505+ 1700=	499+ 1740=	504+ 1780=	512+ 1820=	514+ 1860=	514
34 64	19 9 4	+ 1900=	513+ 1940=	505				
34 64	20 1 778 117	13300F1	+ 180=	76+ 140=	68+ 160=	68+ 180=	40+ 200=	75
34 64	20 2 4	+ 220=	130+ 260=	181+ 300=	203+ 340=	225+ 380=	264+ 420=	317
34 64	20 3 4	+ 400=	301+ 500=	316+ 540=	319+ 580=	317+ 620=	310+ 660=	310
34 64	20 4 4	+ 700=	350+ 740=	390+ 780=	430+ 820=	432+ 860=	436+ 900=	437
34 64	20 5 4	+ 940=	437+ 980=	438+ 1020=	436+ 1060=	424+ 1100=	429+ 1140=	431
34 64	20 6 4	+ 1180=	430+ 1220=	435+ 1260=	439+ 1300=	446+ 1340=	458+ 1380=	472
34 64	20 7 9	+ 1420=	484+ 1460=	495+ 1500=	505+ 1540=	516+ 1580=	510+ 1620=	529
34 64	20 8 9	+ 1660=	534+ 1700=	536+ 1740=	534+ 1780=	534+ 1820=	530+ 1860=	524
34 64	20 9 4	+ 1900=	520+ 1940=	511				
34 64	21 1 978 224	9300F1	+ 120=	76+ 140=	69+ 160=	70+ 180=	40+ 200=	72
34 64	21 2 9	+ 220=	130+ 260=	178+ 300=	190+ 340=	224+ 380=	259+ 420=	302
34 64	21 3 9	+ 400=	311+ 500=	316+ 540=	321+ 580=	319+ 620=	311+ 660=	313
34 64	21 4 4	+ 700=	346+ 740=	385+ 780=	409+ 820=	423+ 860=	421+ 900=	430
34 64	21 5 4	+ 940=	431+ 980=	433+ 1020=	434+ 1060=	436+ 1100=	440+ 1140=	446
34 64	21 6 4	+ 1180=	446+ 1220=	448+ 1260=	449+ 1300=	448+ 1340=	466+ 1380=	478
34 64	21 7 4	+ 1420=	484+ 1460=	491+ 1500=	500+ 1540=	507+ 1580=	512+ 1620=	518
34 64	21 8 4	+ 1660=	522+ 1700=	527+ 1740=	530+ 1780=	533+ 1820=	535+ 1860=	535
34 64	21 9 4	+ 1900=	535+ 1940=	530				
34 64	22 1 978 211	8300F1	+ 120=	77+ 140=	69+ 160=	70+ 180=	41+ 200=	74
34 64	22 2 4	+ 220=	123+ 260=	176+ 300=	184+ 340=	214+ 380=	264+ 420=	294
34 64	22 3 4	+ 400=	306+ 500=	314+ 540=	310+ 580=	315+ 620=	315+ 660=	317
34 64	22 4 4	+ 700=	323+ 740=	377+ 780=	419+ 820=	423+ 860=	427+ 900=	423
34 64	22 5 4	+ 940=	414+ 980=	420+ 1020=	420+ 1060=	425+ 1100=	420+ 1140=	425
34 64	22 6 9	+ 1180=	431+ 1220=	436+ 1260=	443+ 1300=	450+ 1340=	468+ 1380=	471
34 64	22 7 9	+ 1420=	476+ 1460=	487+ 1500=	489+ 1540=	490+ 1580=	499+ 1620=	492
34 64	22 8 4	+ 1660=	492+ 1700=	492+ 1740=	499+ 1780=	503+ 1820=	501+ 1860=	503
34 64	22 9 4	+ 1900=	503+ 1940=	501				
34 64	23 1 978 224	9150F1	+ 180=	77+ 140=	69+ 160=	70+ 180=	40+ 200=	75
34 64	23 2 4	+ 220=	126+ 260=	170+ 300=	188+ 340=	210+ 380=	242+ 420=	285
34 64	23 3 4	+ 400=	290+ 500=	292+ 540=	290+ 580=	290+ 620=	303+ 660=	326

39	23	4	4	+ 700=	355+ 740=	393+ 780=	410+ 820=	425+ 860=	431+ 900=	435
39	23	5	4	+ 940=	415+ 940=	437+1020=	433+1060=	430+1100=	430+1140=	428
39	23	6	3	+1180=	429+1220=	432+1260=	441+1300=	450+1340=	460+1380=	470
39	23	7	2	+1420=	440+1460=	445+1500=	503+1540=	510+1580=	520+1620=	525
39	23	8	1	+1660=	535+1700=	542+1740=	540+1780=	545+1820=	551+1860=	552
39	23	9	0	+1900=	553+1940=	547+1962=	540			
39	23	1	9740717	10300F1	+ 120=	77+ 140=	69+ 160=	69+ 180=	41+ 200=	73
39	23	2	8	+ 220=	130+ 260=	171+ 300=	195+ 340=	244+ 380=	267+ 420=	270
39	23	3	7	+ 460=	278+ 500=	290+ 540=	292+ 580=	311+ 620=	325+ 660=	356
39	23	4	6	+ 700=	379+ 740=	392+ 780=	406+ 820=	425+ 860=	429+ 900=	432
39	23	5	5	+ 940=	433+ 940=	432+1020=	428+1060=	425+1100=	423+1140=	420
39	23	6	4	+1180=	420+1220=	424+1260=	431+1300=	440+1340=	450+1380=	461
39	23	7	3	+1420=	471+1460=	485+1500=	495+1540=	503+1580=	508+1620=	515
39	23	8	2	+1660=	523+1700=	528+1740=	533+1780=	538+1820=	539+1860=	539
39	23	9	1	+1900=	540+1940=	532				
39	23	1	9740423	13000F1	+ 120=	69+ 140=	70+ 160=	71+ 180=	41+ 200=	75
39	23	2	8	+ 220=	131+ 260=	171+ 300=	194+ 340=	206+ 380=	233+ 420=	251
39	23	3	7	+ 460=	272+ 500=	279+ 540=	281+ 580=	291+ 620=	290+ 660=	320
39	23	4	6	+ 700=	373+ 740=	377+ 780=	409+ 820=	425+ 860=	428+ 900=	432
39	23	5	5	+ 940=	418+ 980=	433+1020=	429+1060=	425+1100=	426+1140=	420
39	23	6	4	+1180=	420+1220=	425+1260=	431+1300=	443+1340=	451+1380=	462
39	23	7	3	+1420=	472+1460=	480+1500=	500+1540=	508+1580=	513+1620=	522
39	23	8	2	+1660=	525+1700=	518+1740=	543+1780=	541+1820=	550+1860=	550
39	23	9	1	+1900=	551+1940=	542				
39	23	1	9740116	12150F1	+ 120=	78+ 140=	70+ 160=	70+ 180=	40+ 200=	73
39	23	2	0	+ 220=	125+ 260=	171+ 300=	182+ 340=	216+ 380=	261+ 420=	300
39	23	3	9	+ 460=	298+ 500=	300+ 540=	292+ 580=	292+ 620=	292+ 660=	295
39	23	4	8	+ 700=	398+ 740=	329+ 780=	356+ 820=	376+ 860=	410+ 900=	423
39	23	5	7	+ 940=	430+ 980=	425+1020=	420+1060=	427+1100=	420+1140=	421
39	23	6	6	+1180=	429+1220=	430+1260=	438+1300=	446+1340=	450+1380=	460
39	23	7	5	+1420=	470+1460=	480+1500=	490+1540=	500+1580=	503+1620=	512
39	23	8	4	+1660=	520+1700=	523+1740=	525+1780=	531+1820=	533+1860=	537
39	23	9	3	+1900=	518+1940=	534				
39	23	1	9740121	13000F1	+ 120=	79+ 140=	70+ 160=	67+ 180=	40+ 200=	74
39	23	2	0	+ 220=	125+ 260=	167+ 300=	177+ 340=	247+ 380=	280+ 420=	294
39	23	3	9	+ 460=	298+ 500=	318+ 540=	323+ 580=	357+ 620=	377+ 660=	374
39	23	4	8	+ 700=	373+ 740=	376+ 780=	368+ 820=	355+ 860=	368+ 900=	380
39	23	5	7	+ 940=	385+ 940=	390+1020=	405+1060=	416+1100=	412+1140=	420
39	23	6	6	+1180=	423+1220=	429+1260=	437+1300=	450+1340=	462+1380=	482
39	23	7	5	+1420=	473+1460=	481+1500=	471+1540=	497+1580=	502+1620=	511
39	23	8	4	+1660=	515+1700=	520+1740=	525+1780=	530+1820=	534+1860=	537
39	23	9	3	+1900=	510+1940=	530				
39	23	1	974011A	9450F1	+ 120=	77+ 140=	70+ 160=	69+ 180=	40+ 200=	73
39	23	2	0	+ 220=	127+ 260=	169+ 300=	223+ 340=	250+ 380=	256+ 420=	262
39	23	3	9	+ 460=	249+ 500=	289+ 540=	325+ 580=	353+ 620=	369+ 660=	363
39	23	4	8	+ 700=	355+ 740=	354+ 780=	355+ 820=	355+ 860=	366+ 900=	378
39	23	5	7	+ 940=	384+ 940=	390+1020=	400+1060=	408+1100=	413+1140=	416
39	23	6	6	+1180=	427+1220=	431+1260=	438+1300=	448+1340=	450+1380=	458
39	23	7	5	+1420=	467+1460=	477+1500=	482+1540=	490+1580=	494+1620=	505
39	23	8	4	+1660=	510+1700=	510+1740=	514+1780=	518+1820=	520+1860=	520
39	23	9	3	+1900=	522+1940=	519				
39	23	1	974022A	7400F1	+ 120=	77+ 140=	70+ 160=	70+ 180=	40+ 200=	72
39	23	2	0	+ 220=	130+ 260=	173+ 300=	212+ 340=	245+ 380=	290+ 420=	294
39	23	3	9	+ 460=	286+ 500=	287+ 540=	290+ 580=	310+ 620=	337+ 660=	362
39	23	4	8	+ 700=	398+ 740=	413+ 780=	420+ 820=	423+ 860=	440+ 900=	445

39 64 29 5 9	+ 940=	434+ 980=	439+1020=	420+1060=	399+1100=	390+1140=	386
39 64 29 6 9	+1180=	396+1220=	416+1260=	435+1300=	450+1340=	465+1380=	480
39 64 29 7 9	+1420=	486+1460=	490+1500=	500+1540=	508+1580=	513+1620=	519
39 64 29 8 9	+1660=	514+1700=	530+1740=	549+1780=	539+1820=	537+1860=	535
39 64 29 9 9	+1900=	537+1940=	530				
39 64 30 1 9790322	1430081	+ 120=	77+ 140=	70+ 160=	70+ 180=	39+ 200=	75
39 64 30 2 9	+ 220=	130+ 260=	174+ 300=	209+ 340=	230+ 380=	257+ 420=	296
39 64 30 3 9	+ 460=	290+ 500=	293+ 540=	299+ 580=	308+ 620=	332+ 660=	339
39 64 30 4 9	+ 700=	380+ 740=	409+ 780=	440+ 820=	430+ 860=	436+ 900=	434
39 64 30 5 9	+ 940=	434+ 980=	430+1020=	416+1060=	410+1100=	401+1140=	382
39 64 30 6 9	+1180=	374+1220=	399+1260=	418+1300=	438+1340=	455+1380=	465
39 64 30 7 9	+1420=	474+1460=	488+1500=	492+1540=	495+1580=	507+1620=	512
39 64 30 8 9	+1660=	520+1700=	531+1740=	526+1780=	540+1820=	538+1860=	530
39 64 30 9 9	+1900=	524+1940=	528				

19999999

APPENDIX G

SAMPLE FINAL DATA FILE, EDIT1

These data were created by the EDITC program from the sample input data in Appendix F. Because data at profile lines 68 and 69 were collected to a different vertical datum (pier deck) than at other profile lines, a correction of 25.5 feet was made to each vertical coordinate at lines 68 and 69. These data are in the card image format to make them more legible. These data, in magnetic media format, were used to produce all the analysis module sample outputs used this series of reports, except those otherwise identified.

00 1 1 09 30 500147 MSL750106 1000790122 1515UARE COUNTY, N. C.

39 1	11750106	1000	11	20	+	0	142	16	196	29	246	41	191
39 1	12	58	134	75	113	88	95	100	82	114	71	165	15
39 1	21750303	1100	10	40	+	0	142	16	197	29	247	41	187
39 1	22	59	133	100	88	105	82	113	67	155	31	200	20
39 1	31750428	1100	16	40	+	0	143	16	197	29	247	32	241
39 1	32	37	205	44	173	57	138	73	114	91	92	100	86
39 1	33	141	65	161	40	182	13	200	13	207	20		79
39 1	41750602	1100	17	41	+	0	142	16	196	29	246	32	240
39 1	42	37	209	44	177	57	135	75	110	90	94	100	89
39 1	43	150	54	166	40	188	24	200	2	205	7	225	21
39 1	51750702	1000	13	7	+	0	142	16	197	29	247	32	242
39 1	52	43	186	55	143	78	112	100	103	119	89	148	67
39 1	53	200	16	219	7								38
39 1	61750909	1500	16	41	+	0	142	16	196	26	234	29	246
39 1	62	32	245	37	210	52	148	99	133	40	111	100	105
39 1	63	134	84	158	69	186	38	200	21	236	21		101
39 1	71751028	700	16	20	+	0	142	16	197	29	247	41	187
39 1	72	58	135	77	118	100	105	116	108	127	90	157	44
39 1	73	200	6	222	3	243	6	257	11	279	20		12
39 1	81751125	1100	10	22	+	0	144	16	192	29	248	41	192
39 1	82	58	137	88	107	100	101	150	76	200	12	230	22
39 1	91760105	1100	11	20	+	0	142	16	194	29	248	41	196
39 1	92	62	130	83	118	100	103	116	89	155	61	200	13
39 1	101760311	800	16	29	+	0	142	16	194	29	247	30	248
39 1	102	33	245	37	200	50	157	60	131	75	116	100	100
39 1	103	150	43	175	28	200	4	225	14	243	29		69
39 1	111760406	1400	19	23	+	0	143	25	228	28	247	31	249
39 1	112	33	245	38	211	50	162	62	131	75	117	100	104
39 1	113	129	75	150	55	175	34	189	22	200	15	213	0
39 1	114	233	23										13
39 1	121760608	1300	8	25	+	0	143	29	251	60	130	100	91
39 1	122	150	57	180	23	200	16	232	25				
39 1	131760707	1200	12	35	+	0	144	25	233	30	250	50	163
39 1	132	75	118	100	94	125	75	150	59	175	35	200	10
39 1	133	250	35										19
39 1	141760927	900	14	20	+	0	143	25	234	30	249	60	156
39 1	142	75	117	100	94	125	82	150	68	166	46	175	28
39 1	143	201	1	211	7	215	20						5
39 1	151761215	900	13	25	+	0	144	25	242	29	251	50	155
39 1	152	75	118	100	96	104	84	125	53	150	27	175	14
39 1	153	225	18	235	25								4
39 2	11750106	1000	12	23	+	0	119	32	132	48	170	61	209
39 2	12	67	201	78	157	93	119	124	102	166	70	200	42
39 2	13	250	23										21
39 2	21750303	1100	13	21	+	0	118	32	133	48	170	61	208
39 2	22	67	199	78	150	93	119	100	113	135	94	146	72
39 2	23	200	26	229	21								41
39 2	31750428	1100	16	24	+	0	119	32	131	48	175	61	208
39 2	32	68	195	78	163	91	124	100	115	119	91	138	78
39 2	33	175	60	189	45	200	34	224	8	244	24		69
39 2	41750602	1100	17	20	+	0	119	32	131	48	175	61	209
39 2	42	68	196	78	161	91	123	100	115	114	95	139	87
39 2	43	181	59	188	48	200	34	216	16	237	8	254	20
39 2	51750702	1000	12	5	+	0	118	32	131	48	171	61	208

39	2	52+	68+	195+	78+	140+	91+	130+	100+	117+	135+	78+	174+	47+	200+	27
39	2	53+	228+	9												
39	2	61750909	1500	14-	32			0+	118+	32+	131+	48+	173+	61+	206	
39	2	82+	68+	199+	78+	162+	91+	124+	100+	115+	125+	94+	136+	65+	188+	32
39	2	63+	200+	21+	229+	8+	244+	32								
39	2	71751028	700	15-	20			0+	118+	32+	132+	48+	173+	61+	208	
39	2	72+	67+	197+	78+	159+	93+	127+	100+	117+	112+	97+	113+	91+	137+	64
39	2	73+	170+	33+	200+	7+	215+	8+	229+	20						
39	2	81751125	1100	12-	33			0+	119+	32+	131+	48+	173+	61+	207	
39	2	82+	67+	196+	78+	159+	93+	126+	100+	118+	137+	66+	162+	56+	200+	8
39	2	83+	230+	33												
39	2	91760105	1100	12-	31			0+	120+	32+	131+	48+	170+	61+	209	
39	2	92+	67+	208+	78+	163+	93+	117+	100+	105+	132+	75+	175+	35+	200+	1
39	2	93+	221+	21												
39	2	101760311	900	17-	25			0+	119+	17+	124+	22+	131+	25+	130	
39	2	102+	33+	134+	50+	177+	61+	209+	66+	203+	75+	185+	84+	136+	100+	107
39	2	103+	125+	82+	150+	59+	175+	38+	200+	13+	225+	16+	240+	25		
39	2	111760406	1000	19-	21			0+	119+	17+	122+	23+	130+	31+	129	
39	2	112+	37+	134+	63+	809+	68+	202+	70+	195+	75+	174+	91+	122+	100+	108
39	2	113+	125+	81+	131+	70+	150+	58+	180+	43+	175+	29+	200+	8+	225+	8
39	2	114+	237+	21												
39	2	121760606	1000	10-	22			0+	119+	30+	130+	50+	179+	62+	209	
39	2	122+	47+	112+	107+	90+	157+	47+	184+	21+	207+	4+	229+	22		
39	2	131760707	1200	12-	24			0+	119+	25+	130+	34+	134+	50+	178	
39	2	132+	62+	209+	75+	172+	100+	106+	125+	74+	150+	52+	175+	29+	200+	8
39	2	133+	232+	24												
39	2	141760927	1000	13-	21			0+	119+	25+	130+	50+	176+	60+	209	
39	2	142+	75+	162+	95+	115+	100+	101+	125+	70+	150+	65+	175+	25+	200+	3
39	2	143+	210+	12+	216+	21										
39	2	151761215	900	12-	29			0+	120+	25+	131+	50+	181+	61+	208	
39	2	152+	75+	169+	100+	102+	125+	53+	150+	24+	175+	19+	200+	5+	225+	12
39	2	153+	250+	29												
39	3	11750106	1100	14-	20			0+	130+	20+	126+	37+	150+	50+	185	
39	3	12+	79+	172+	100+	174+	115+	164+	139+	121+	168+	110+	200+	96+	223+	64
39	3	13+	250+	35+	275+	4+	300+	20								
39	3	21750303	1100	16-	26			0+	130+	20+	128+	37+	151+	50+	185	
39	3	22+	68+	188+	79+	172+	100+	175+	115+	163+	139+	118+	150+	113+	183+	105
39	3	23+	191+	82+	200+	72+	213+	53+	247+	16+	285+	26				
39	3	31750428	1100	18-	21			0+	130+	20+	126+	37+	153+	50+	185	
39	3	32+	68+	181+	79+	172+	100+	174+	115+	165+	126+	145+	136+	121+	155+	115
39	3	33+	172+	110+	192+	80+	200+	77+	224+	58+	249+	30+	268+	9+	294+	21
39	3	41750602	1100	19-	20			0+	130+	20+	126+	37+	153+	50+	185	
39	3	42+	68+	181+	79+	171+	100+	174+	115+	166+	126+	147+	136+	121+	149+	113
39	3	43+	168+	113+	182+	99+	200+	82+	225+	75+	238+	56+	253+	31+	280+	5
39	3	44+	298+	20												
39	3	51750702	1100	17-	8			0+	130+	20+	126+	37+	152+	50+	185	
39	3	52+	68+	181+	79+	172+	100+	175+	115+	166+	126+	149+	136+	123+	162+	115
39	3	53+	185+	103+	200+	91+	241+	57+	260+	31+	286+	6+	295+	8		
39	3	61750909	1600	18-	30			0+	129+	20+	126+	37+	151+	50+	184	
39	3	62+	68+	181+	79+	171+	100+	174+	115+	164+	126+	147+	136+	121+	153+	112
39	3	63+	173+	108+	200+	92+	231+	78+	232+	43+	281+	8+	300+	16+	308+	34
39	3	71751028	800	15-	20			0+	130+	20+	126+	37+	152+	50+	185	
39	3	72+	79+	171+	100+	175+	115+	165+	139+	118+	176+	109+	200+	103+	213+	102
39	3	73+	230+	77+	254+	44+	289+	3+	305+	20						
39	3	81751126	700	15-	23			0+	129+	20+	126+	37+	151+	50+	187	

49 3 82+ 79+ 172+ 100+ 174+ 115+ 165+ 139+ 120+ 189+ 112+ 200+ 100+ 246+ 54
 49 3 83+ 292+ 4+ 331+ 23
 49 3 917+0105 1200 13+ 20
 49 3 92+ 79+ 172+ 100+ 175+ 115+ 166+ 139+ 120+ 168+ 114+ 200+ 100+ 228+ 70
 49 3 93+ 284+ 2+ 302+ 20
 49 3 1017+0311 900 26+ 26
 49 3 102+ 50+ 186+ 69+ 181+ 75+ 175+ 79+ 171+ 84+ 176+ 89+ 171+ 97+ 179
 49 3 103+ 100+ 177+ 125+ 157+ 127+ 151+ 131+ 136+ 135+ 127+ 150+ 116+ 175+ 114
 49 3 104+ 191+ 109+ 200+ 98+ 225+ 72+ 244+ 53+ 250+ 46+ 275+ 20+ 300+ A
 49 3 105+ 319+ 26
 49 3 1117+0400 1500 20+ 22
 49 3 112+ 57+ 129+ 42+ 161+ 49+ 185+ 69+ 181+ 80+ 172+ 93+ 170+ 98+ 178
 49 3 113+ 100+ 175+ 108+ 176+ 118+ 160+ 126+ 156+ 136+ 126+ 150+ 117+ 175+ 114
 49 3 114+ 190+ 168+ 200+ 99+ 225+ 71+ 250+ 54+ 275+ 32+ 300+ 1+ 325+ 17
 49 3 115+ 324+ 22
 49 3 1217+0000 1400 13+ 20
 49 3 122+ 102+ 177+ 122+ 160+ 142+ 117+ 150+ 117+ 184+ 108+ 204+ 81+ 250+ 40
 49 3 123+ 298+ 14+ 303+ 20
 49 3 1317+0707 1300 15+ 23
 49 3 132+ 100+ 174+ 125+ 161+ 150+ 118+ 175+ 115+ 200+ 94+ 225+ 69+ 250+ 51
 49 3 133+ 275+ 27+ 300+ 1+ 316+ 16+ 325+ 23
 49 3 1417+0927 1100 10+ 21
 49 3 142+ 93+ 171+ 100+ 176+ 125+ 156+ 137+ 125+ 150+ 116+ 175+ 112+ 200+ 94
 49 3 143+ 225+ 80+ 250+ 40+ 275+ 10+ 300+ 13+ 310+ 21
 49 3 1517+1215 900 20+ 23
 49 3 152+ 94+ 173+ 100+ 177+ 125+ 157+ 132+ 140+ 150+ 116+ 175+ 111+ 197+ 93
 49 3 153+ 200+ 71+ 225+ 30+ 250+ A+ 275+ 6+ 300+ 18+ 309+ 17+ 328+ 19
 49 3 154+ 350+ 20+ 375+ 23
 49 4 1175+0100 1100 15+ 20
 49 4 12+ 81+ 227+ 100+ 213+ 118+ 195+ 131+ 190+ 138+ 202+ 157+ 172+ 186+ 115
 49 4 13+ 200+ 101+ 250+ 51+ 291+ 15+ 324+ 20
 49 4 2175+0303 1200 17+ 24
 49 4 22+ 81+ 226+ 100+ 211+ 118+ 191+ 131+ 191+ 138+ 199+ 157+ 167+ 186+ 112
 49 4 23+ 200+ 98+ 223+ 89+ 241+ 72+ 267+ 12+ 300+ 3+ 310+ 24
 49 4 3175+0428 1200 18+ 24
 49 4 32+ 81+ 225+ 100+ 211+ 118+ 192+ 131+ 190+ 138+ 202+ 157+ 167+ 167+ 150
 49 4 33+ 180+ 123+ 200+ 84+ 229+ 65+ 252+ 44+ 277+ 17+ 300+ 9+ 312+ 24
 49 4 4175+0602 1200 21+ 20
 49 4 42+ 81+ 225+ 100+ 212+ 118+ 192+ 131+ 189+ 138+ 202+ 157+ 168+ 167+ 153
 49 4 43+ 180+ 123+ 188+ 109+ 200+ 88+ 215+ 79+ 234+ 67+ 248+ 54+ 265+ 32
 49 4 44+ 282+ 7+ 296+ 7+ 310+ 20
 49 4 5175+0702 1100 16+ 0
 49 4 52+ 81+ 227+ 100+ 210+ 118+ 192+ 131+ 190+ 138+ 202+ 157+ 169+ 167+ 152
 49 4 53+ 180+ 123+ 200+ 91+ 240+ 55+ 276+ 19+ 295+ 0
 49 4 6175+0909 1600 19+ 23
 49 4 62+ 81+ 225+ 100+ 211+ 118+ 192+ 131+ 191+ 138+ 202+ 157+ 168+ 167+ 150
 49 4 63+ 180+ 121+ 190+ 106+ 200+ 97+ 225+ 72+ 239+ 61+ 261+ 38+ 300+ 1
 49 4 64+ 325+ 23
 49 4 7175+1028 800 19+ 23
 49 4 72+ 81+ 226+ 100+ 211+ 118+ 191+ 131+ 189+ 138+ 202+ 165+ 155+ 179+ 123
 49 4 73+ 200+ 98+ 211+ 91+ 241+ 93+ 256+ 73+ 284+ 41+ 300+ 24+ 328+ 0
 49 4 74+ 350+ 23
 49 4 8175+1120 800 17+ 45
 49 4 82+ 81+ 226+ 100+ 210+ 118+ 191+ 131+ 190+ 138+ 201+ 165+ 154+ 179+ 124
 49 4 83+ 200+ 167+ 244+ 72+ 278+ 40+ 300+ 14+ 313+ 2+ 342+ 45

39	4	91760105	1200	16=	20			0+	158+	27+	165+	54+	166+	71+	196
39	4	92+	81+	227+	100+	211+	11A+	192+	131+	190+	13A+	201+	164+	157+	179+
39	4	93+	200+	107+	230+	84+	251+	63+	300+	10+	322+	20			
39	4	111760311	1000	24=	25			0+	158+	19+	16A+	25+	167+	45+	160
39	4	102+	50+	163+	60+	173+	67+	184+	75+	204+	81+	226+	100+	213+	125+
39	4	103+	131+	1A9+	134+	192+	139+	201+	150+	180+	175+	139+	181+	125+	200+
39	4	104+	225+	97+	250+	77+	274+	49+	300+	25+	325+	3+	350+	25	
39	4	111760400	1500	29=	21			0+	159+	25+	167+	43+	158+	50+	163
39	4	112+	53+	166+	67+	180+	75+	205+	81+	225+	100+	215+	125+	190+	135+
39	4	113+	141+	202+	143+	198+	150+	1A3+	16A+	155+	175+	144+	182+	186+	200+
39	4	114+	225+	100+	233+	93+	241+	7A+	250+	67+	263+	50+	275+	39+	282+
39	4	115+	300+	10+	313+	0+	324+	9+	33A+	21					
39	4	121760608	1500	14=	26			0+	158+	50+	163+	81+	225+	126+	190
39	4	122+	13A+	200+	150+	179+	179+	125+	200+	110+	250+	102+	283+	97+	300+
39	4	123+	324+	0+	350+	14+	354+	26							
39	4	131760707	1300	18=	20			0+	159+	25+	166+	50+	162+	75+	206
39	4	132+	85+	224+	100+	212+	125+	189+	13A+	201+	150+	178+	175+	136+	200+
39	4	133+	225+	100+	250+	98+	274+	65+	300+	38+	325+	16+	350+	8+	365+
39	4	141760927	1100	21=	21			0+	158+	25+	166+	50+	164+	75+	206
39	4	142+	82+	226+	100+	218+	125+	190+	139+	201+	155+	172+	175+	137+	200+
39	4	143+	225+	102+	250+	93+	275+	81+	27A+	67+	292+	46+	300+	34+	325+
39	4	144+	347+	0+	370+	12+	384+	21							
39	4	151761215	1000	17=	23			0+	158+	25+	168+	50+	158+	82+	225
39	4	152+	100+	216+	125+	191+	144+	200+	165+	166+	185+	131+	200+	112+	225+
39	4	153+	241+	100+	266+	67+	290+	3A+	300+	27+	325+	3+	350+	23	
39	5	11750106	1200	16=	20			0+	143+	18+	160+	52+	184+	100+	185
39	5	12+	143+	201+	152+	218+	166+	214+	174+	208+	183+	231+	19A+	206+	212+
39	5	13+	248+	96+	263+	84+	300+	46+	332+	16+	353+	20			
39	5	21750303	1200	18=	20			0+	144+	18+	164+	52+	183+	100+	193
39	5	22+	121+	192+	143+	209+	152+	222+	166+	207+	174+	213+	183+	229+	196+
39	5	23+	212+	126+	232+	103+	24A+	92+	269+	73+	300+	57+	331+	19+	358+
39	5	31750428	1200	21=	20			0+	144+	18+	162+	52+	185+	100+	181
39	5	32+	121+	194+	143+	209+	152+	219+	166+	207+	174+	214+	183+	228+	196+
39	5	33+	200+	156+	210+	126+	221+	115+	242+	101+	263+	87+	284+	70+	300+
39	5	34+	327+	29+	352+	5+	372+	20							
39	5	41750602	1200	21=	20			0+	144+	18+	163+	52+	186+	100+	187
39	5	42+	121+	192+	143+	209+	152+	218+	166+	209+	174+	207+	183+	231+	196+
39	5	43+	200+	163+	210+	131+	222+	115+	245+	104+	259+	91+	278+	70+	300+
39	5	44+	316+	32+	352+	7+	369+	20							
39	5	51750702	1100	18=	11			0+	144+	18+	160+	52+	189+	100+	190
39	5	52+	121+	192+	143+	207+	152+	220+	166+	209+	174+	206+	183+	232+	196+
39	5	53+	200+	168+	210+	132+	223+	11A+	25A+	91+	300+	49+	344+	9+	360+
39	5	61750909	1600	21=	23			0+	145+	18+	164+	52+	194+	100+	180
39	5	62+	121+	197+	143+	209+	152+	21A+	166+	206+	174+	211+	183+	228+	196+
39	5	63+	204+	142+	210+	127+	224+	113+	246+	103+	262+	94+	280+	76+	300+
39	5	64+	332+	28+	357+	2+	379+	23							
39	5	71751028	A00	20=	3A			0+	145+	18+	161+	52+	188+	100+	200
39	5	72+	143+	214+	152+	222+	166+	206+	174+	212+	183+	227+	196+	175+	212+
39	5	73+	238+	107+	259+	98+	273+	91+	294+	67+	300+	60+	326+	31+	349+
39	5	74+	367+	11+	383+	38									
39	5	81751126	A00	16=	34			0+	144+	18+	162+	52+	186+	100+	199
39	5	82+	143+	206+	152+	220+	166+	20A+	174+	207+	183+	230+	19A+	200+	212+
39	5	83+	252+	115+	300+	63+	333+	30+	366+	4+	391+	34			
39	5	91760105	1200	17=	2A			0+	144+	18+	162+	52+	186+	100+	197
39	5	92+	143+	220+	152+	215+	166+	210+	174+	213+	183+	215+	196+	201+	212+

39	5	93+	220+	118+	246+	112+	284+	79+	300+	93+	341+	10+	369+	26		
39	5	101760311	1000	22+	21				n+	146+	25+	170+	50+	186+	100+	189
39	5	102+	125+	193+	150+	219+	163+	212+	175+	209+	182+	233+	188+	225+	196+	201
39	5	103+	200+	180+	212+	132+	225+	121+	250+	115+	257+	106+	275+	85+	297+	59
39	5	104+	300+	55+	325+	30+	350+	3+	369+	41						
39	5	111760406	1600	26+	25				n+	148+	25+	170+	50+	184+	75+	182
39	5	112+	100+	196+	125+	192+	141+	199+	152+	220+	158+	219+	166+	211+	175+	206
39	5	113+	184+	234+	186+	230+	195+	210+	200+	183+	213+	129+	225+	121+	250+	115
39	5	114+	259+	104+	270+	79+	287+	60+	300+	37+	314+	23+	325+	14+	350+	6
39	5	115+	368+	25												
39	5	121760604	1500	14+	22				n+	148+	50+	186+	100+	195+	180+	220
39	5	122+	170+	286+	181+	236+	200+	170+	209+	137+	243+	110+	256+	84+	300+	73
39	5	123+	331+	46+	350+	31+	397+	22								
39	5	131760707	1400	21+	22				n+	152+	25+	171+	50+	186+	75+	182
39	5	132+	100+	203+	125+	195+	150+	220+	173+	206+	184+	229+	200+	168+	213+	129
39	5	133+	238+	115+	257+	83+	275+	80+	300+	71+	321+	47+	350+	48+	195+	21
39	5	134+	400+	2+	417+	13+	430+	22								
39	5	141760927	1200	19+	24				n+	154+	25+	172+	50+	187+	75+	183
39	5	142+	100+	190+	125+	195+	150+	221+	171+	206+	180+	235+	200+	160+	214+	126
39	5	143+	240+	113+	250+	90+	275+	86+	300+	68+	320+	37+	345+	9+	370+	8
39	5	144+	391+	24												
39	5	151761215	1000	19+	19				n+	154+	25+	171+	50+	186+	75+	188
39	5	152+	100+	201+	125+	195+	150+	221+	171+	206+	181+	238+	200+	167+	217+	126
39	5	153+	240+	114+	250+	98+	279+	78+	300+	65+	325+	31+	350+	12+	395+	8
39	5	154+	385+	19												
39	6	11750106	1300	14+	22				n+	120+	50+	131+	100+	145+	112+	155
39	6	12+	135+	172+	151+	193+	171+	193+	189+	169+	220+	123+	280+	90+	360+	49
39	6	13+	350+	25+	358+	10+	369+	22								
39	6	21750303	1200	14+	22				n+	120+	50+	132+	100+	146+	112+	156
39	6	22+	135+	174+	151+	193+	171+	190+	189+	166+	220+	122+	252+	86+	269+	69
39	6	23+	300+	52+	342+	12+	367+	22								
39	6	31750428	1200	19+	20				n+	121+	50+	131+	100+	146+	112+	152
39	6	32+	135+	171+	151+	192+	171+	193+	189+	167+	200+	155+	211+	137+	220+	121
39	6	33+	237+	107+	257+	95+	284+	86+	300+	68+	314+	57+	332+	36+	364+	8
39	6	34+	380+	20												
39	6	41750602	1200	20+	24				n+	120+	50+	130+	100+	145+	112+	153
39	6	42+	135+	172+	151+	192+	171+	192+	189+	168+	200+	154+	211+	132+	220+	120
39	6	43+	234+	107+	254+	95+	273+	88+	280+	73+	300+	53+	329+	34+	348+	16
39	6	44+	363+	2+	390+	24										
39	6	51750702	1100	16+	6				n+	120+	50+	130+	100+	145+	112+	156
39	6	52+	135+	171+	151+	193+	171+	192+	189+	168+	200+	154+	211+	134+	220+	121
39	6	53+	238+	105+	268+	91+	300+	81+	337+	23+	358+	6				
39	6	61750909	1600	17+	20				n+	120+	50+	131+	100+	145+	112+	151
39	6	62+	135+	171+	151+	192+	171+	192+	189+	167+	200+	150+	220+	121+	231+	110
39	6	63+	254+	93+	281+	71+	300+	84+	322+	35+	351+	8+	374+	20		
39	6	71751024	900	15+	36				n+	121+	50+	131+	100+	147+	112+	158
39	6	72+	135+	174+	151+	194+	171+	193+	189+	167+	220+	122+	253+	95+	276+	82
39	6	73+	300+	61+	330+	29+	353+	4+	383+	36						
39	6	81751126	800	15+	30				n+	121+	50+	129+	100+	146+	112+	152
39	6	82+	135+	170+	151+	193+	171+	193+	189+	168+	220+	124+	264+	106+	285+	73
39	6	83+	300+	57+	337+	22+	359+	4+	400+	30						
39	6	91760105	1300	15+	33				n+	121+	50+	131+	100+	146+	112+	156
39	6	92+	135+	173+	151+	194+	171+	190+	189+	167+	220+	124+	249+	111+	276+	83
39	6	93+	300+	73+	330+	34+	362+	1+	384+	33						
39	6	101760311	1100	21+	22				n+	120+	25+	121+	50+	131+	75+	137

39 6 102+ 100+ 146+ 125+ 162+ 150+ 190+ 161+ 192+ 173+ 192+ 175+ 190+ 192+ 167
39 6 103+ 194+ 161+ 200+ 190+ 225+ 123+ 250+ 113+ 275+ 93+ 300+ 77+ 325+ 46
39 6 104+ 350+ 23+ 375+ 11+ 384+ 22
39 6 111760400 1700 24+ 23 + 0+ 121+ 25+ 119+ 50+ 131+ 75+ 130
39 6 112+ 100+ 147+ 115+ 155+ 125+ 163+ 142+ 178+ 150+ 191+ 169+ 194+ 175+ 192
39 6 113+ 198+ 161+ 200+ 158+ 222+ 129+ 224+ 126+ 234+ 118+ 250+ 112+ 275+ 95
39 6 114+ 291+ 85+ 300+ 65+ 325+ 38+ 350+ 14+ 375+ 2+ 400+ 23
39 6 121760604 1600 11+ 21 + 0+ 120+ 50+ 131+ 100+ 148+ 190+ 192
39 6 122+ 167+ 193+ 200+ 153+ 230+ 119+ 250+ 113+ 290+ 63+ 378+ 12+ 388+ 21
39 6 131760707 1400 18+ 27 + 0+ 120+ 25+ 120+ 50+ 128+ 75+ 137
39 6 132+ 100+ 145+ 125+ 162+ 150+ 191+ 175+ 189+ 800+ 156+ 225+ 124+ 250+ 112
39 6 133+ 275+ 77+ 300+ 44+ 325+ 39+ 339+ 27+ 350+ 16+ 375+ 6+ 397+ 27
39 6 141760927 1400 19+ 21 + 0+ 120+ 25+ 120+ 50+ 130+ 75+ 138
39 6 142+ 100+ 146+ 125+ 164+ 150+ 192+ 172+ 193+ 190+ 169+ 200+ 156+ 225+ 124
39 6 143+ 250+ 107+ 261+ 80+ 275+ 65+ 296+ 60+ 300+ 57+ 325+ 26+ 350+ 3
39 6 144+ 375+ 21
39 6 151761215 1200 19+ 20 + 0+ 121+ 25+ 122+ 50+ 131+ 75+ 138
39 6 152+ 100+ 146+ 125+ 163+ 150+ 192+ 175+ 188+ 200+ 153+ 222+ 140+ 230+ 119
39 6 153+ 250+ 107+ 275+ 78+ 300+ 60+ 324+ 33+ 350+ 21+ 375+ 2+ 392+ 14
39 6 154+ 402+ 20
39 7 11750100 1300 17+ 26 + 0+ 127+ 32+ 160+ 53+ 195+ 79+ 203
39 7 12+ 100+ 207+ 115+ 173+ 127+ 181+ 152+ 219+ 179+ 223+ 196+ 182+ 221+ 127
39 7 13+ 226+ 108+ 250+ 78+ 284+ 54+ 300+ 43+ 317+ 28+ 366+ 26
39 7 21750301 1200 17+ 19 + 0+ 127+ 32+ 160+ 53+ 198+ 79+ 200
39 7 22+ 100+ 206+ 115+ 175+ 127+ 184+ 152+ 219+ 179+ 221+ 196+ 182+ 221+ 131
39 7 23+ 230+ 102+ 251+ 81+ 278+ 62+ 300+ 58+ 350+ 12+ 372+ 19
39 7 31750428 1300 22+ 20 + 0+ 128+ 32+ 197+ 53+ 198+ 79+ 204
39 7 32+ 100+ 208+ 115+ 173+ 127+ 178+ 152+ 218+ 179+ 220+ 187+ 211+ 196+ 185
39 7 33+ 200+ 171+ 207+ 152+ 221+ 131+ 226+ 114+ 236+ 106+ 260+ 98+ 284+ 84
39 7 34+ 300+ 70+ 315+ 53+ 358+ 11+ 380+ 20
39 7 41750602 1200 24+ 20 + 0+ 127+ 32+ 159+ 53+ 198+ 79+ 208
39 7 42+ 100+ 204+ 115+ 173+ 127+ 178+ 152+ 219+ 179+ 222+ 187+ 210+ 196+ 182
39 7 43+ 200+ 167+ 207+ 150+ 221+ 129+ 226+ 113+ 234+ 106+ 262+ 98+ 280+ 76
39 7 44+ 300+ 58+ 317+ 49+ 329+ 55+ 366+ 12+ 362+ 5+ 378+ 20
39 7 51750702 1200 21+ 7 + 0+ 127+ 32+ 155+ 53+ 196+ 79+ 206
39 7 52+ 100+ 204+ 115+ 174+ 127+ 177+ 152+ 218+ 179+ 222+ 187+ 209+ 196+ 183
39 7 53+ 200+ 156+ 207+ 150+ 221+ 131+ 226+ 121+ 243+ 108+ 269+ 87+ 300+ 64
39 7 54+ 355+ 19+ 355+ 18+ 370+ 7
39 7 61750909 1600 23+ 20 + 0+ 128+ 32+ 156+ 53+ 196+ 79+ 209
39 7 62+ 100+ 203+ 115+ 172+ 127+ 177+ 152+ 217+ 179+ 220+ 187+ 208+ 196+ 181
39 7 63+ 200+ 156+ 207+ 149+ 221+ 126+ 228+ 119+ 250+ 103+ 263+ 90+ 285+ 90
39 7 64+ 289+ 79+ 300+ 64+ 319+ 39+ 342+ 11+ 374+ 20
39 7 71751028 900 19+ 24 + 0+ 127+ 32+ 160+ 53+ 195+ 79+ 200
39 7 72+ 100+ 204+ 115+ 176+ 127+ 180+ 152+ 218+ 179+ 220+ 196+ 179+ 231+ 126
39 7 73+ 247+ 105+ 261+ 92+ 269+ 76+ 288+ 62+ 300+ 53+ 346+ 16+ 310+ 9
39 7 74+ 385+ 24
39 7 81751126 900 18+ 29 + 0+ 128+ 32+ 159+ 53+ 196+ 79+ 203
39 7 82+ 100+ 208+ 115+ 173+ 127+ 176+ 152+ 219+ 179+ 219+ 196+ 183+ 216+ 146
39 7 83+ 229+ 121+ 258+ 114+ 285+ 82+ 300+ 66+ 333+ 34+ 364+ 0+ 387+ 29
39 7 91760105 1300 17+ 35 + 0+ 126+ 32+ 155+ 53+ 191+ 79+ 207
39 7 92+ 100+ 203+ 115+ 173+ 127+ 177+ 152+ 216+ 179+ 221+ 196+ 182+ 221+ 131
39 7 93+ 247+ 116+ 275+ 89+ 300+ 62+ 329+ 40+ 371+ 5+ 391+ 35
39 7 101760311 1100 26+ 21 + 0+ 128+ 25+ 151+ 50+ 186+ 75+ 197
39 7 102+ 100+ 210+ 116+ 174+ 125+ 174+ 137+ 187+ 150+ 211+ 154+ 219+ 169+ 212
39 7 103+ 175+ 215+ 182+ 221+ 191+ 207+ 200+ 182+ 210+ 157+ 221+ 145+ 225+ 135

7

39	7	104	229	126	250	119	275	93	300	71	125	45	350	23	375	11
39	7	105	380	21												
39	7	111760006	1700	28	21				0	127	19	147	25	149	50	183
39	7	112	55	198	75	198	100	208	114	176	135	189	150	214	153	220
39	7	114	172	214	180	820	186	212	191	205	200	177	212	152	220	146
39	7	114	240	123	250	117	275	91	300	62	125	43	350	22	365	9
39	7	115	375	0	400	17	405	21								
39	7	121760009	1000	12	29				0	128	50	187	100	208	117	171
39	7	122	150	217	178	221	213	152	226	127	250	116	300	57	350	16
39	7	123	400	29												
39	7	131760707	1400	19	24				0	127	25	146	54	196	95	205
39	7	132	100	197	118	172	152	217	165	214	179	221	200	175	213	150
39	7	133	230	123	246	110	275	79	300	57	323	43	350	10	375	15
39	7	134	390	24												
39	7	141760727	1400	21	22				0	129	25	145	50	180	95	203
39	7	142	100	196	113	173	135	182	150	219	170	214	181	222	200	171
39	7	143	215	154	229	125	251	114	256	92	275	68	287	62	300	47
39	7	144	319	24	344	3	369	22								
39	7	151761215	1200	20	29				0	128	25	145	50	182	95	207
39	7	152	100	199	125	177	150	219	175	219	200	172	217	150	224	140
39	7	153	248	113	257	83	286	89	300	57	315	39	340	24	365	8
39	7	154	390	16	400	29										
39	A	11750106	1300	15	20				0	120	50	130	100	159	126	177
39	A	12	152	199	167	217	183	214	190	222	200	174	218	132	233	108
39	A	13	264	89	300	44	313	30	350	20						
39	A	21750303	1300	16	20				0	120	50	131	100	160	126	177
39	A	22	152	200	167	218	183	211	190	221	200	175	218	132	233	106
39	A	23	252	89	272	67	300	52	344	10	367	20				
39	A	31750428	1300	18	20				0	119	50	129	100	158	186	178
39	A	32	152	201	167	218	183	210	190	219	200	167	210	142	215	133
39	A	33	226	115	249	97	277	66	300	54	319	33	349	5	375	20
39	A	41750602	1200	21	20				0	120	50	130	100	160	186	177
39	A	42	152	200	167	220	183	211	190	219	200	169	210	165	215	133
39	A	43	226	116	239	107	250	98	266	79	290	61	300	54	327	30
39	A	44	349	9	368	5	381	20								
39	A	51750702	1200	17	0				0	119	50	130	100	159	126	176
39	A	52	152	200	167	217	183	213	190	220	200	170	210	147	215	135
39	A	53	226	120	243	101	269	76	300	47	331	27	358	0		
39	A	61750909	1600	17	22				0	120	50	130	100	160	126	178
39	A	62	152	200	167	218	183	211	190	221	200	172	210	145	231	113
39	A	63	255	95	287	71	300	59	317	45	339	22	383	22		
39	A	71751028	900	19	31				0	120	50	128	100	160	126	178
39	A	72	152	200	167	218	183	218	190	222	200	167	218	133	222	124
39	A	73	243	102	259	90	270	71	285	58	300	50	334	30	372	6
39	A	74	348	31												
39	A	81751126	1000	14	25				0	119	50	129	100	159	126	177
39	A	82	152	199	167	217	189	221	200	169	218	133	232	118	260	101
39	A	83	300	58	355	10	393	25								
39	A	91760105	1300	15	41				0	119	50	129	100	159	126	176
39	A	92	152	202	167	217	189	216	200	171	222	126	239	114	265	91
39	A	93	300	60	352	28	368	13	390	41						
39	A	101760411	1100	20	20				0	119	25	123	50	128	95	139
39	A	102	100	155	125	174	150	192	168	216	175	217	189	209	194	218
39	A	103	200	196	210	160	225	152	250	111	275	84	300	61	325	41
39	A	104	350	23	375	20										

39 A 111760407 800 24= 20 * 0+ 120+ 25+ 123+ 50+ 129+ 75+ 140
 39 A 112+ 100+ 157+ 125+ 175+ 150+ 195+ 175+ 220+ 181+ 220+ 188+ 210+ 193+ 219
 39 A 113+ 193+ 219+ 195+ 215+ 200+ 189+ 208+ 161+ 225+ 132+ 231+ 123+ 250+ 109
 39 A 114+ 275+ 82+ 300+ 59+ 325+ 39+ 357+ 12+ 380+ 6+ 395+ 20
 39 A 121760609 1000 12= 2A * 0+ 120+ 50+ 130+ 100+ 158+ 150+ 196
 39 A 122+ 175+ 218+ 184+ 212+ 190+ 218+ 210+ 148+ 240+ 113+ 300+ 51+ 344+ 17
 39 A 123+ 400+ 2A
 39 A 131760708 1000 18= 31 * 0+ 120+ 25+ 122+ 50+ 130+ 75+ 140
 39 A 132+ 100+ 158+ 125+ 175+ 150+ 196+ 166+ 218+ 175+ 220+ 185+ 211+ 200+ 103
 39 A 133+ 225+ 129+ 250+ 103+ 285+ 63+ 300+ 42+ 325+ 14+ 346+ 7+ 375+ 31
 39 A 141760727 1400 19= 21 * 0+ 120+ 25+ 121+ 50+ 128+ 75+ 140
 39 A 142+ 100+ 158+ 125+ 175+ 150+ 197+ 175+ 222+ 185+ 209+ 192+ 221+ 200+ 177
 39 A 143+ 219+ 134+ 230+ 117+ 239+ 97+ 250+ 62+ 275+ 62+ 300+ 36+ 325+ 8
 39 A 144+ 350+ 21
 39 A 151761216 900 18= 23 * 0+ 120+ 25+ 121+ 50+ 127+ 75+ 140
 39 A 152+ 100+ 158+ 125+ 175+ 150+ 196+ 175+ 219+ 191+ 221+ 200+ 179+ 224+ 136
 39 A 153+ 250+ 81+ 275+ 70+ 300+ 54+ 325+ 33+ 350+ 13+ 375+ 5+ 396+ 23
 39 Q 11760106 1300 15= 25 * 0+ 121+ 50+ 133+ 79+ 149+ 100+ 147
 39 Q 12+ 127+ 159+ 150+ 176+ 173+ 227+ 190+ 204+ 200+ 174+ 227+ 120+ 259+ 98
 39 Q 13+ 242+ 55+ 300+ 48+ 317+ 32+ 362+ 23
 39 Q 21760304 1300 17= 20 * 0+ 120+ 50+ 134+ 79+ 147+ 100+ 148
 39 Q 22+ 127+ 161+ 150+ 178+ 173+ 228+ 191+ 196+ 200+ 169+ 218+ 125+ 245+ 103
 39 Q 23+ 264+ 79+ 277+ 61+ 300+ 46+ 322+ 29+ 339+ 8+ 363+ 20
 39 Q 31760428 1300 20= 20 * 0+ 120+ 50+ 133+ 79+ 147+ 100+ 146
 39 Q 32+ 127+ 158+ 150+ 176+ 173+ 229+ 187+ 213+ 191+ 198+ 200+ 170+ 206+ 151
 39 Q 33+ 210+ 145+ 217+ 127+ 234+ 115+ 250+ 96+ 277+ 85+ 300+ 65+ 321+ 38
 39 Q 34+ 356+ 1+ 376+ 20
 39 Q 41760602 1300 24= 20 * 0+ 120+ 50+ 134+ 79+ 146+ 100+ 146
 39 Q 42+ 127+ 158+ 150+ 175+ 173+ 226+ 182+ 217+ 191+ 199+ 200+ 174+ 206+ 155
 39 Q 43+ 210+ 145+ 217+ 130+ 228+ 118+ 242+ 109+ 264+ 92+ 275+ 76+ 292+ 60
 39 Q 44+ 300+ 55+ 309+ 47+ 326+ 28+ 333+ 8+ 369+ 0+ 385+ 20
 39 Q 51760702 1200 20= 5 * 0+ 120+ 50+ 133+ 79+ 150+ 100+ 143
 39 Q 52+ 127+ 157+ 150+ 175+ 173+ 226+ 182+ 221+ 191+ 203+ 200+ 174+ 206+ 157
 39 Q 53+ 210+ 148+ 217+ 133+ 230+ 120+ 256+ 106+ 286+ 74+ 300+ 63+ 332+ 38
 39 Q 54+ 353+ 12+ 370+ 5
 39 Q 61760904 1600 19= 25 * 0+ 121+ 50+ 133+ 79+ 147+ 100+ 149
 39 Q 62+ 127+ 159+ 150+ 177+ 173+ 227+ 182+ 213+ 191+ 196+ 200+ 167+ 210+ 143
 39 Q 63+ 222+ 124+ 240+ 114+ 264+ 91+ 279+ 60+ 300+ 59+ 320+ 32+ 355+ 5
 39 Q 64+ 384+ 25
 39 Q 71761028 900 18= 21 * 0+ 120+ 50+ 134+ 79+ 149+ 100+ 151
 39 Q 72+ 127+ 160+ 150+ 177+ 173+ 231+ 190+ 201+ 200+ 167+ 222+ 129+ 234+ 118
 39 Q 73+ 250+ 104+ 261+ 92+ 276+ 66+ 300+ 46+ 340+ 25+ 369+ 2+ 387+ 21
 39 Q 81761126 1100 15= 23 * 0+ 120+ 50+ 133+ 79+ 147+ 100+ 148
 39 Q 82+ 127+ 158+ 150+ 175+ 173+ 227+ 190+ 199+ 200+ 168+ 227+ 126+ 257+ 100
 39 Q 83+ 249+ 82+ 300+ 71+ 345+ 19+ 383+ 23
 39 Q 91760105 1300 17= 51 * 0+ 120+ 50+ 133+ 79+ 145+ 100+ 148
 39 Q 92+ 127+ 158+ 150+ 175+ 173+ 229+ 190+ 199+ 200+ 169+ 227+ 125+ 248+ 103
 39 Q 93+ 267+ 85+ 294+ 72+ 300+ 65+ 330+ 29+ 365+ 5+ 391+ 51
 39 Q 101760311 1200 25= 36 * 0+ 121+ 25+ 126+ 50+ 135+ 62+ 141
 39 Q 102+ 66+ 150+ 75+ 151+ 81+ 148+ 100+ 147+ 116+ 158+ 125+ 158+ 150+ 174
 39 Q 103+ 175+ 225+ 176+ 226+ 178+ 226+ 192+ 204+ 200+ 180+ 213+ 145+ 225+ 126
 39 Q 104+ 250+ 103+ 275+ 82+ 300+ 61+ 325+ 37+ 350+ 17+ 375+ 16+ 392+ 36
 39 Q 111760407 800 22= 23 * 0+ 121+ 25+ 126+ 50+ 133+ 62+ 140
 39 Q 112+ 72+ 155+ 82+ 149+ 100+ 148+ 125+ 159+ 150+ 175+ 155+ 183+ 177+ 227
 39 Q 113+ 179+ 226+ 196+ 187+ 200+ 181+ 213+ 146+ 226+ 126+ 250+ 105+ 300+ 60

49	9	114+	325+	41+	338+	34+	379+	1+	399+	23									
39	9	1217A0609	1100	13+	27				0+	121+	50+	133+	100+	147+	127+	157			
39	9	122+	173+	226+	200+	162+	219+	132+	236+	111+	250+	90+	300+	48+	334+	17			
39	9	123+	350+	1+	385+	27													
39	9	1317A0708	1100	17+	33				0+	120+	25+	125+	50+	133+	95+	152			
39	9	132+	100+	149+	125+	159+	150+	175+	176+	225+	200+	175+	219+	130+	245+	104			
39	9	133+	265+	78+	279+	66+	300+	27+	323+	1+	345+	21+	360+	33					
39	9	1417A0927	1500	17+	29				0+	121+	25+	126+	50+	134+	95+	149			
39	9	142+	100+	146+	125+	160+	150+	176+	175+	233+	200+	177+	221+	131+	246+	86			
39	9	143+	250+	75+	275+	63+	300+	36+	325+	8+	350+	13+	375+	29					
39	9	1517A1216	900	18+	21				0+	120+	25+	126+	50+	133+	75+	150			
39	9	152+	100+	146+	125+	158+	150+	175+	175+	229+	197+	189+	222+	137+	230+	122			
39	9	153+	250+	84+	275+	68+	300+	47+	325+	33+	350+	16+	375+	2+	400+	21			
39	10	11750106	1400	15+	24				0+	130+	50+	133+	100+	143+	124+	157			
39	10	12+	145+	198+	150+	210+	177+	202+	200+	189+	218+	140+	231+	113+	272+	89			
39	10	13+	287+	65+	300+	49+	321+	31+	371+	24									
39	10	21750303	1400	18+	20				0+	131+	50+	134+	100+	145+	124+	161			
39	10	22+	145+	203+	156+	214+	177+	200+	195+	191+	200+	169+	218+	127+	232+	107			
39	10	23+	251+	92+	258+	82+	273+	60+	288+	50+	300+	40+	326+	23+	361+	20			
39	10	31750428	1300	17+	20				0+	129+	50+	133+	100+	144+	124+	158			
39	10	32+	145+	201+	156+	214+	177+	201+	195+	190+	200+	182+	212+	148+	221+	123			
39	10	33+	233+	102+	259+	81+	300+	56+	318+	37+	358+	1+	379+	20					
39	10	41750602	1300	19+	20				0+	131+	50+	133+	100+	144+	124+	158			
39	10	42+	145+	199+	156+	210+	177+	200+	195+	189+	200+	178+	212+	146+	221+	123			
39	10	43+	232+	103+	254+	85+	282+	66+	300+	94+	327+	37+	344+	17+	358+	4			
39	10	44+	383+	20															
39	10	51750702	1200	16+	0				0+	131+	50+	133+	100+	145+	124+	180			
39	10	52+	145+	199+	156+	217+	177+	201+	195+	190+	200+	182+	212+	150+	221+	126			
39	10	53+	237+	107+	262+	86+	300+	54+	337+	23+	362+	0							
39	10	61750909	900	17+	27				0+	130+	50+	133+	100+	145+	124+	161			
39	10	62+	145+	201+	156+	213+	177+	201+	195+	190+	200+	176+	220+	123+	233+	109			
39	10	63+	255+	99+	284+	78+	300+	60+	326+	37+	350+	11+	382+	27					
39	10	71751028	1000	17+	31				0+	131+	50+	135+	100+	145+	124+	160			
39	10	72+	145+	197+	156+	214+	177+	200+	200+	173+	218+	133+	233+	110+	252+	98			
39	10	73+	263+	85+	273+	67+	300+	40+	346+	22+	379+	4+	397+	31					
39	10	81751126	1100	15+	28				0+	130+	50+	133+	100+	144+	124+	160			
39	10	82+	145+	202+	156+	214+	177+	200+	195+	190+	218+	132+	232+	117+	258+	110			
39	10	83+	285+	83+	300+	69+	305+	19+	382+	28									
39	10	91750105	1400	15+	36				0+	130+	50+	134+	100+	148+	124+	163			
39	10	92+	145+	203+	156+	213+	177+	199+	195+	190+	218+	131+	254+	112+	288+	69			
39	10	93+	300+	56+	334+	23+	372+	13+	392+	36									
39	10	101760311	1200	21+	20				0+	131+	25+	132+	50+	134+	75+	143			
39	10	102+	100+	146+	125+	159+	150+	205+	158+	216+	175+	208+	200+	190+	206+	167			
39	10	103+	212+	162+	225+	130+	232+	121+	255+	113+	275+	89+	300+	64+	325+	39			
39	10	104+	350+	14+	375+	14+	380+	20											
39	10	111760407	900	17+	26				0+	131+	25+	132+	50+	133+	75+	142			
39	10	112+	100+	144+	130+	164+	158+	216+	178+	202+	200+	190+	207+	166+	211+	163			
39	10	113+	231+	123+	250+	117+	275+	91+	300+	58+	344+	25+	400+	26					
39	10	1217A0609	1100	12+	32				0+	133+	50+	133+	100+	144+	124+	163			
39	10	122+	156+	215+	186+	189+	196+	191+	223+	123+	248+	114+	300+	49+	341+	11			
39	10	123+	390+	32															
39	10	1317A0708	1100	18+	25				0+	131+	25+	133+	50+	134+	75+	143			
39	10	132+	100+	145+	125+	159+	150+	209+	156+	217+	175+	204+	200+	181+	208+	164			
39	10	133+	227+	123+	249+	114+	274+	76+	279+	58+	300+	75+	326+	4+	350+	28			
39	10	1417A0927	1500	21+	28				0+	132+	25+	131+	50+	134+	75+	143			

39 10	142+ 100+	145+ 125+	160+ 150+	210+ 165+	214+ 175+	204+ 195+	188+ 200+	175
39 10	143+ 211+	156+ 225+	112+ 239+	117+ 247+	91+ 272+	67+ 297+	39+ 300+	30
39 10	144+ 322+	6+ 347+	13+ 372+	7A				
39 10	1517+1216	900 19+	20		0+ 131+	25+ 131+	50+ 133+	95+ 142
39 10	152+ 100+	143+ 125+	15A+ 150+	20A+ 17A+	20A+ 198+	188+ 204+	166+ 207+	172
39 10	153+ 236+	116+ 254+	80+ 275+	65+ 300+	46+ 325+	28+ 350+	12+ 375+	4
39 10	154+ 400+	20						
39 68	161770728	1000 41+	237		120+ 179+	140+ 190+	160+ 191+	180+ 232
39 68	162+ 200+	175+ 220+	133+ 260+	71+ 300+	54+ 340+	46+ 380+	21+ 420+	9
39 68	163+ 460+	17+ 500+	41+ 540+	62+ 580+	98+ 620+	111+ 660+	109+ 700+	94
39 68	164+ 740+	83+ 780+	80+ 820+	83+ 860+	90+ 900+	96+ 940+	105+ 980+	119
39 68	165+1020+	120+1060+	132+1100+	144+1140+	155+1180+	170+1220+	183+1260+	189
39 68	166+1300+	197+1340+	208+1380+	205+142+	211+1460+	222+1500+	225+1540+	230
39 68	167+1580+	231+1620+	237					
39 68	171770811	1200 41+	231		120+ 179+	140+ 191+	160+ 191+	180+ 234
39 68	172+ 200+	178+ 220+	132+ 260+	72+ 300+	56+ 340+	93+ 380+	41+ 420+	2
39 68	173+ 460+	10+ 500+	21+ 540+	59+ 580+	93+ 620+	107+ 660+	107+ 700+	101
39 68	174+ 740+	94+ 780+	90+ 820+	87+ 860+	86+ 900+	89+ 940+	97+ 980+	106
39 68	175+1020+	116+1060+	126+1100+	141+1140+	153+1180+	166+1220+	175+1260+	185
39 68	176+1300+	192+1340+	193+1380+	203+1420+	210+1460+	215+1500+	220+1540+	225
39 68	177+1580+	228+1620+	231					
39 68	181771021	1430 49+	292		120+ 177+	140+ 191+	160+ 193+	180+ 234
39 68	182+ 200+	177+ 220+	129+ 260+	81+ 300+	61+ 340+	41+ 380+	4+ 420+	20
39 68	183+ 460+	43+ 500+	76+ 540+	99+ 580+	109+ 620+	107+ 660+	104+ 700+	99
39 68	184+ 740+	91+ 780+	88+ 820+	85+ 860+	85+ 900+	91+ 940+	106+ 980+	123
39 68	185+1020+	134+1060+	149+1100+	149+1140+	168+1180+	178+1220+	189+1260+	202
39 68	186+1300+	203+1340+	217+1380+	221+1420+	245+1460+	244+1500+	242+1540+	257
39 68	187+1580+	254+1620+	269+1660+	271+1700+	274+1740+	276+1780+	285+1820+	281
39 68	188+1860+	285+1900+	286+1940+	292				
39 68	191771121	815 49+	252		120+ 181+	140+ 192+	160+ 193+	180+ 235
39 68	192+ 200+	177+ 220+	131+ 260+	81+ 300+	51+ 340+	24+ 380+	20+ 420+	17
39 68	193+ 460+	21+ 500+	28+ 540+	41+ 580+	69+ 620+	84+ 660+	122+ 700+	150
39 68	194+ 740+	159+ 780+	163+ 820+	170+ 860+	171+ 900+	171+ 940+	164+ 980+	154
39 68	195+1020+	145+1060+	137+1100+	128+1140+	145+1180+	147+1220+	169+1260+	192
39 68	196+1300+	211+1340+	221+1380+	228+1420+	232+1460+	238+1500+	239+1540+	237
39 68	197+1580+	241+1620+	240+1660+	238+1700+	242+1740+	243+1780+	249+1820+	250
39 68	198+1860+	252+1900+	252+1940+	247				
39 68	201780117	1430 49+	280		120+ 180+	140+ 192+	160+ 193+	180+ 233
39 68	202+ 200+	176+ 220+	124+ 260+	74+ 300+	53+ 340+	34+ 380+	6+ 420+	50
39 68	203+ 460+	65+ 500+	64+ 540+	60+ 580+	55+ 620+	53+ 660+	55+ 700+	98
39 68	204+ 740+	152+ 780+	176+ 820+	175+ 860+	184+ 900+	186+ 940+	181+ 980+	184
39 68	205+1020+	191+1060+	187+1100+	182+1140+	185+1180+	194+1220+	194+1260+	195
39 68	206+1300+	201+1340+	214+1380+	221+1420+	228+1460+	230+1500+	234+1540+	241
39 68	207+1580+	250+1620+	274+1660+	274+1700+	273+1740+	275+1780+	274+1820+	280
39 68	208+1860+	269+1900+	262+1940+	256				
39 68	211780224	1015 49+	279		120+ 179+	140+ 194+	160+ 192+	180+ 233
39 68	212+ 200+	175+ 220+	127+ 260+	66+ 300+	67+ 340+	33+ 380+	1+ 420+	49
39 68	213+ 460+	46+ 500+	55+ 540+	94+ 580+	99+ 620+	56+ 660+	62+ 700+	76
39 68	214+ 740+	114+ 780+	133+ 820+	162+ 860+	162+ 900+	164+ 940+	170+ 980+	165
39 68	215+1020+	163+1060+	165+1100+	171+1140+	176+1180+	175+1220+	180+1260+	186
39 68	216+1300+	195+1340+	205+1380+	221+1420+	226+1460+	234+1500+	238+1540+	249
39 68	217+1580+	255+1620+	260+1660+	265+1700+	270+1740+	275+1780+	275+1820+	279
39 68	218+1860+	279+1900+	277+1940+	273				
39 68	221780411	945 49+	241		120+ 178+	140+ 192+	160+ 190+	180+ 235
39 68	222+ 200+	175+ 220+	126+ 260+	77+ 300+	72+ 340+	41+ 380+	15+ 420+	35

39	AA	223+ 460=	52+ 500=	50+ 940=	48+ 580=	34+ 820=	56+ 660=	63+ 700=	74
39	AA	224+ 740=	126+ 780=	155+ 820=	165+ 860=	164+ 900=	162+ 940=	163+ 980=	161
39	AA	225+ 1020=	159+ 1060=	164+ 1100=	160+ 1140=	160+ 1180=	168+ 1220=	176+ 1260=	189
39	AA	226+ 1300=	185+ 1340=	205+ 1380=	212+ 1420=	217+ 1460=	224+ 1500=	227+ 1540=	228
39	AA	227+ 1580=	229+ 1620=	231+ 1660=	230+ 1700=	234+ 1740=	238+ 1780=	242+ 1820=	239
39	AA	228+ 1860=	241+ 1900=	242+ 1940=	243				
39	AA	2317A1524	1000 50= 295		+ 120+ 178+ 140+	192+ 160+ 195+ 180+	235		
39	AA	232+ 200=	174+ 220=	125+ 260+	85+ 300+ 96+ 340+	43+ 380+	12+ 420=	37	
39	AA	233+ 460=	36+ 500=	37+ 540=	41+ 580=	44+ 620=	53+ 660=	66+ 700=	107
39	AA	234+ 740=	128+ 780=	145+ 820=	157+ 860=	163+ 900=	165+ 940=	166+ 980=	165
39	AA	235+ 1020=	163+ 1060=	161+ 1100=	162+ 1140=	160+ 1180=	162+ 1220=	167+ 1260=	175
39	AA	236+ 1300=	185+ 1340=	192+ 1380=	200+ 1420=	200+ 1460=	223+ 1500=	235+ 1540=	235
39	AA	237+ 1580=	253+ 1620=	265+ 1660=	270+ 1700=	285+ 1740=	285+ 1780=	295+ 1820=	295
39	AA	238+ 1860=	295+ 1900=	295+ 1940=	295+ 1960=	285			
39	AA	2417A1717	1330 49= 282		+ 120+ 177+ 140+	191+ 160+ 193+ 180+	235		
39	AA	242+ 200=	175+ 220=	126+ 260+	85+ 300+ 62+ 340+	45+ 380+	8+ 420=	18	
39	AA	243+ 460=	36+ 500=	37+ 540=	41+ 580=	44+ 620=	53+ 660=	66+ 700=	107
39	AA	244+ 740=	128+ 780=	145+ 820=	157+ 860=	163+ 900=	165+ 940=	166+ 980=	165
39	AA	245+ 1020=	163+ 1060=	161+ 1100=	162+ 1140=	160+ 1180=	162+ 1220=	167+ 1260=	175
39	AA	246+ 1300=	185+ 1340=	192+ 1380=	200+ 1420=	200+ 1460=	223+ 1500=	235+ 1540=	235
39	AA	247+ 1580=	253+ 1620=	265+ 1660=	270+ 1700=	285+ 1740=	285+ 1780=	295+ 1820=	295
39	AA	248+ 1860=	295+ 1900=	295+ 1940=	295+ 1960=	285			
39	AA	2517A1823	1430 49= 285		+ 120+ 177+ 140+	190+ 160+ 193+ 180+	233		
39	AA	252+ 200=	176+ 220=	123+ 260+	84+ 300+ 63+ 340+	47+ 380+	21+ 420=	8	
39	AA	253+ 460=	37+ 500=	38+ 540=	42+ 580=	45+ 620=	54+ 660=	67+ 700=	108
39	AA	254+ 740=	129+ 780=	146+ 820=	158+ 860=	164+ 900=	166+ 940=	167+ 980=	166
39	AA	255+ 1020=	164+ 1060=	162+ 1100=	163+ 1140=	161+ 1180=	163+ 1220=	168+ 1260=	176
39	AA	256+ 1300=	186+ 1340=	193+ 1380=	201+ 1420=	201+ 1460=	224+ 1500=	236+ 1540=	236
39	AA	257+ 1580=	254+ 1620=	266+ 1660=	271+ 1700=	286+ 1740=	286+ 1780=	296+ 1820=	296
39	AA	258+ 1860=	296+ 1900=	296+ 1940=	296+ 1960=	286			
39	AA	2617A1916	1530 49= 278		+ 120+ 177+ 140+	192+ 160+ 195+ 180+	235		
39	AA	262+ 200=	177+ 220=	124+ 260+	85+ 300+ 64+ 340+	48+ 380+	22+ 420=	9	
39	AA	263+ 460=	38+ 500=	39+ 540=	43+ 580=	46+ 620=	55+ 660=	68+ 700=	109
39	AA	264+ 740=	130+ 780=	147+ 820=	159+ 860=	165+ 900=	167+ 940=	168+ 980=	167
39	AA	265+ 1020=	165+ 1060=	163+ 1100=	164+ 1140=	162+ 1180=	164+ 1220=	169+ 1260=	177
39	AA	266+ 1300=	187+ 1340=	194+ 1380=	202+ 1420=	202+ 1460=	225+ 1500=	237+ 1540=	237
39	AA	267+ 1580=	255+ 1620=	267+ 1660=	272+ 1700=	287+ 1740=	287+ 1780=	297+ 1820=	297
39	AA	268+ 1860=	297+ 1900=	297+ 1940=	297+ 1960=	287			
39	AA	2717A1121	1405 49= 304		+ 120+ 176+ 140+	192+ 160+ 193+ 180+	235		
39	AA	272+ 200=	180+ 220=	130+ 260+	85+ 300+ 59+ 340+	49+ 380+	23+ 420=	25	
39	AA	273+ 460=	39+ 500=	40+ 540=	44+ 580=	47+ 620=	56+ 660=	69+ 700=	110
39	AA	274+ 740=	131+ 780=	148+ 820=	160+ 860=	166+ 900=	168+ 940=	169+ 980=	168
39	AA	275+ 1020=	166+ 1060=	164+ 1100=	165+ 1140=	163+ 1180=	165+ 1220=	170+ 1260=	178
39	AA	276+ 1300=	188+ 1340=	195+ 1380=	203+ 1420=	203+ 1460=	226+ 1500=	238+ 1540=	238
39	AA	277+ 1580=	256+ 1620=	268+ 1660=	273+ 1700=	288+ 1740=	288+ 1780=	298+ 1820=	298
39	AA	278+ 1860=	298+ 1900=	298+ 1940=	298+ 1960=	288			
39	AA	2817A1116	1100 49= 265		+ 120+ 177+ 140+	192+ 160+ 193+ 180+	234		
39	AA	282+ 200=	178+ 220=	125+ 260+	86+ 300+ 30+ 340+	50+ 380+	1+ 420=	5	
39	AA	283+ 460=	40+ 500=	41+ 540=	45+ 580=	48+ 620=	57+ 660=	70+ 700=	111
39	AA	284+ 740=	132+ 780=	149+ 820=	161+ 860=	167+ 900=	169+ 940=	170+ 980=	169
39	AA	285+ 1020=	167+ 1060=	165+ 1100=	166+ 1140=	164+ 1180=	166+ 1220=	171+ 1260=	179
39	AA	286+ 1300=	189+ 1340=	196+ 1380=	204+ 1420=	204+ 1460=	227+ 1500=	239+ 1540=	239
39	AA	287+ 1580=	257+ 1620=	269+ 1660=	274+ 1700=	289+ 1740=	289+ 1780=	299+ 1820=	299
39	AA	288+ 1860=	299+ 1900=	299+ 1940=	299+ 1960=	289			
39	AA	2917A1220	1445 49= 301		+ 120+ 178+ 140+	192+ 160+ 192+ 180+	234		

39 A	290+300	176+220	131+260	85+300	39+340	6+380	49+480	37
39 A	291+360	26+500	33+540	39+580	58+620	82+660	102+760	118
39 A	291+740	135+780	155+820	154+860	162+900	178+940	164+980	144
39 A	295+1020	147+1060	130+1100	111+1140	122+1180	147+1220	191+1260	169
39 A	296+1300	148+1340	205+1380	215+1420	230+1460	234+1500	250+1540	247
39 A	297+1580	245+1620	262+1660	266+1700	275+1740	272+1780	287+1820	295
39 A	298+1860	282+1900	301+1940	285				
39 A	301790322	1519 49= 279		+ 120+	179+ 140+	192+ 160+	192+ 180+	232
39 A	302+ 200+	176+ 220+	130+ 260+	80+ 300+	37+ 340+	21+ 380+	27+ 420+	32
39 A	303+ 460+	40+ 500+	35+ 540+	37+ 580+	35+ 620+	53+ 660+	77+ 700+	88
39 A	304+ 740+	114+ 780+	133+ 820+	145+ 860+	168+ 900+	154+ 940+	162+ 980+	167
39 A	305+1020	146+1060	155+1100	140+1140	134+1180	133+1220	144+1260	162
39 A	306+1300	177+1340	199+1380	208+1420	215+1460	225+1500	232+1540	240
39 A	307+1580	241+1620	253+1660	260+1700	272+1740	273+1780	279+1820	276
39 A	308+1860	275+1900	279+1940	275				
39 A	311771727	1400 41= 242		+ 120+	179+ 140+	184+ 160+	186+ 180+	211
39 A	312+ 200+	184+ 220+	135+ 260+	77+ 300+	55+ 340+	50+ 380+	27+ 420+	5
39 A	314+ 460+	18+ 500+	35+ 540+	67+ 580+	107+ 620+	130+ 660+	139+ 700+	129
39 A	314+ 740+	112+ 780+	95+ 820+	87+ 860+	91+ 900+	101+ 940+	111+ 980+	117
39 A	315+1020	125+1060	137+1100	145+1140	147+1180	172+1220	185+1260	191
39 A	316+1300	201+1340	205+1380	211+1420	215+1460	225+1500	230+1540	232
39 A	317+1580	233+1620	242					
39 A	317773811	1100 41= 236		+ 120+	180+ 140+	185+ 160+	187+ 180+	213
39 A	317+ 200+	182+ 220+	135+ 260+	72+ 300+	57+ 340+	54+ 380+	32+ 420+	1
39 A	317+ 460+	13+ 500+	24+ 540+	62+ 580+	104+ 620+	128+ 660+	136+ 700+	129
39 A	317+ 740+	113+ 780+	105+ 820+	95+ 860+	92+ 900+	95+ 940+	102+ 980+	110
39 A	318+1020	125+1060	135+1100	144+1140	155+1180	170+1220	182+1260	192
39 A	319+1300	200+1340	202+1380	208+1420	215+1460	221+1500	225+1540	227
39 A	317+1580	233+1620	236					
39 A	317771020	1500 49= 291		+ 120+	179+ 140+	186+ 160+	187+ 180+	214
39 A	312+ 200+	183+ 220+	135+ 260+	133+ 300+	59+ 340+	33+ 380+	5+ 420+	17
39 A	313+ 460+	65+ 500+	89+ 540+	115+ 580+	120+ 620+	129+ 660+	121+ 700+	118
39 A	314+ 740+	149+ 780+	99+ 820+	95+ 860+	97+ 900+	108+ 940+	125+ 980+	140
39 A	315+1020	154+1060	167+1100	176+1140	187+1180	195+1220	203+1260	210
39 A	316+1300	223+1340	233+1380	236+1420	241+1460	251+1500	255+1540	263
39 A	317+1580	263+1620	271+1660	275+1700	282+1740	278+1780	291+1820	284
39 A	318+1860	291+1900	264+1940	277				
39 A	317771121	715 49= 259		+ 120+	179+ 140+	186+ 160+	188+ 180+	214
39 A	312+ 200+	183+ 220+	134+ 260+	81+ 300+	52+ 340+	23+ 380+	24+ 420+	21
39 A	313+ 460+	22+ 500+	29+ 540+	41+ 580+	68+ 620+	84+ 660+	112+ 700+	143
39 A	314+ 740+	161+ 780+	167+ 820+	169+ 860+	170+ 900+	169+ 940+	161+ 980+	154
39 A	315+1020	145+1060	127+1100	117+1140	120+1180	137+1220	154+1260	175
39 A	316+1300	196+1340	212+1380	223+1420	231+1460	236+1500	238+1540	243
39 A	317+1580	247+1620	245+1660	250+1700	244+1740	249+1780	257+1820	259
39 A	318+1860	259+1900	258+1940	250				
39 A	321781117	1330 49= 261		+ 120+	179+ 140+	187+ 160+	187+ 180+	215
39 A	322+ 200+	180+ 220+	125+ 260+	74+ 300+	52+ 340+	30+ 380+	9+ 420+	62
39 A	323+ 460+	46+ 500+	61+ 540+	64+ 580+	62+ 620+	95+ 660+	55+ 700+	95
39 A	324+ 740+	135+ 780+	175+ 820+	177+ 860+	181+ 900+	182+ 940+	182+ 980+	183
39 A	325+1020	181+1060	164+1100	174+1140	176+1180	181+1220	180+1260	184
39 A	326+1300	191+1340	203+1380	217+1420	229+1460	240+1500	250+1540	261
39 A	327+1580	255+1620	274+1660	279+1700	281+1740	279+1780	279+1820	275
39 A	328+1860	269+1900	265+1940	256				
39 A	321780224	930 49= 280		+ 120+	179+ 140+	186+ 160+	185+ 180+	215
39 A	312+ 200+	183+ 220+	125+ 260+	77+ 300+	65+ 340+	31+ 380+	4+ 420+	47

39	69	213+ 460=	56+ 500=	61+ 540=	66+ 580=	64+ 620=	56+ 660=	58+ 700=	91
39	69	214+ 740=	130+ 780=	154+ 820=	168+ 860=	166+ 900=	173+ 940=	176+ 980=	178
39	69	215+ 1020=	179+ 1060=	181+ 1100=	185+ 1140=	191+ 1180=	191+ 1220=	193+ 1260=	194
39	69	216+ 1300=	193+ 1340=	211+ 1380=	223+ 1420=	229+ 1460=	236+ 1500=	243+ 1540=	252
39	69	217+ 1580=	257+ 1620=	263+ 1660=	267+ 1700=	272+ 1740=	275+ 1780=	278+ 1820=	280
39	69	218+ 1860=	280+ 1900=	280+ 1940=	275				
39	69	2217A0411	A30 49= 248			+ 120+ 178+ 140+ 186+ 160+ 185+ 180+ 214			
39	69	222+ 200=	181+ 220=	128+ 260=	79+ 300=	71+ 340=	41+ 380=	11+ 420=	39
39	69	223+ 460=	51+ 500=	59+ 540=	55+ 580=	60+ 620=	60+ 660=	62+ 700=	68
39	69	224+ 740=	122+ 780=	164+ 820=	168+ 860=	172+ 900=	168+ 940=	164+ 980=	169
39	69	225+ 1020=	165+ 1060=	170+ 1100=	165+ 1140=	170+ 1180=	176+ 1220=	181+ 1260=	188
39	69	226+ 1300=	195+ 1340=	213+ 1380=	216+ 1420=	223+ 1460=	232+ 1500=	234+ 1540=	239
39	69	227+ 1580=	244+ 1620=	237+ 1660=	237+ 1700=	237+ 1740=	244+ 1780=	248+ 1820=	246
39	69	228+ 1860=	248+ 1900=	248+ 1940=	246				
39	69	2317A0524	915 50= 298			+ 120+ 178+ 140+ 186+ 160+ 185+ 180+ 215			
39	69	232+ 200=	180+ 220=	127+ 260=	85+ 300=	97+ 340=	49+ 380=	13+ 420=	30
39	69	233+ 460=	35+ 500=	37+ 540=	35+ 580=	35+ 620=	48+ 660=	71+ 700=	100
39	69	234+ 740=	138+ 780=	153+ 820=	170+ 860=	176+ 900=	180+ 940=	180+ 980=	182
39	69	235+ 1020=	178+ 1060=	175+ 1100=	175+ 1140=	173+ 1180=	174+ 1220=	177+ 1260=	186
39	69	236+ 1300=	195+ 1340=	205+ 1380=	215+ 1420=	225+ 1460=	240+ 1500=	248+ 1540=	255
39	69	237+ 1580=	265+ 1620=	270+ 1660=	280+ 1700=	287+ 1740=	285+ 1780=	290+ 1820=	296
39	69	238+ 1860=	297+ 1900=	298+ 1940=	292+ 1962=	285			
39	69	2417A0717	1030 49= 285			+ 120+ 178+ 140+ 186+ 160+ 186+ 180+ 214			
39	69	242+ 200=	182+ 220=	125+ 260=	84+ 300=	60+ 340=	11+ 380=	12+ 420=	15
39	69	243+ 460=	23+ 500=	35+ 540=	37+ 580=	56+ 620=	70+ 660=	101+ 700=	124
39	69	244+ 740=	137+ 780=	151+ 820=	170+ 860=	174+ 900=	177+ 940=	178+ 980=	177
39	69	245+ 1020=	173+ 1060=	170+ 1100=	168+ 1140=	165+ 1180=	165+ 1220=	169+ 1260=	176
39	69	246+ 1300=	185+ 1340=	193+ 1380=	206+ 1420=	216+ 1460=	230+ 1500=	240+ 1540=	248
39	69	247+ 1580=	253+ 1620=	260+ 1660=	268+ 1700=	273+ 1740=	278+ 1780=	283+ 1820=	284
39	69	248+ 1860=	284+ 1900=	285+ 1940=	277				
39	69	2517A0825	1300 49= 296			+ 120+ 186+ 140+ 185+ 160+ 184+ 180+ 214			
39	69	252+ 200=	180+ 220=	124+ 260=	84+ 300=	61+ 340=	49+ 380=	22+ 420=	4
39	69	253+ 460=	17+ 500=	24+ 540=	26+ 580=	36+ 620=	39+ 660=	65+ 700=	88
39	69	254+ 740=	122+ 780=	154+ 820=	170+ 860=	173+ 900=	177+ 940=	183+ 980=	178
39	69	255+ 1020=	174+ 1060=	170+ 1100=	171+ 1140=	165+ 1180=	165+ 1220=	170+ 1260=	176
39	69	256+ 1300=	188+ 1340=	196+ 1380=	207+ 1420=	217+ 1460=	234+ 1500=	243+ 1540=	253
39	69	257+ 1580=	258+ 1620=	267+ 1660=	273+ 1700=	283+ 1740=	288+ 1780=	286+ 1820=	295
39	69	258+ 1860=	295+ 1900=	296+ 1940=	287				
39	69	2617A1016	1215 49= 283			+ 120+ 177+ 140+ 185+ 160+ 185+ 180+ 215			
39	69	262+ 200=	182+ 220=	130+ 260=	84+ 300=	73+ 340=	39+ 380=	6+ 420=	48
39	69	263+ 460=	43+ 500=	45+ 540=	37+ 580=	37+ 620=	37+ 660=	40+ 700=	53
39	69	264+ 740=	74+ 780=	101+ 820=	121+ 860=	153+ 900=	168+ 940=	175+ 980=	170
39	69	265+ 1020=	165+ 1060=	172+ 1100=	165+ 1140=	166+ 1180=	174+ 1220=	175+ 1260=	183
39	69	266+ 1300=	191+ 1340=	193+ 1380=	205+ 1420=	215+ 1460=	225+ 1500=	235+ 1540=	245
39	69	267+ 1580=	248+ 1620=	257+ 1660=	265+ 1700=	268+ 1740=	270+ 1780=	276+ 1820=	278
39	69	268+ 1860=	282+ 1900=	283+ 1940=	279				
39	69	2717A1121	1300 49= 285			+ 120+ 176+ 140+ 185+ 160+ 188+ 180+ 215			
39	69	272+ 200=	181+ 220=	130+ 260=	88+ 300=	78+ 340=	8+ 380=	25+ 420=	39
39	69	273+ 460=	43+ 500=	43+ 540=	68+ 580=	102+ 620=	122+ 660=	119+ 700=	118
39	69	274+ 740=	121+ 780=	113+ 820=	100+ 860=	113+ 900=	125+ 940=	130+ 980=	135
39	69	275+ 1020=	150+ 1060=	161+ 1100=	157+ 1140=	165+ 1180=	168+ 1220=	174+ 1260=	182
39	69	276+ 1300=	195+ 1340=	207+ 1380=	227+ 1420=	218+ 1460=	226+ 1500=	216+ 1540=	242
39	69	277+ 1580=	247+ 1620=	256+ 1660=	260+ 1700=	265+ 1740=	270+ 1780=	275+ 1820=	279
39	69	278+ 1860=	282+ 1900=	285+ 1940=	275				
39	69	2817A0116	945 49= 267			+ 120+ 178+ 140+ 185+ 160+ 186+ 180+ 215			

57 64	252+200	182+220	128+200	86+300	32+340	9+380	1+420	7
57 64	253+400	14+500	34+540	70+580	98+620	114+660	108+700	100
57 64	254+740	100+780	100+820	100+860	111+900	123+940	124+980	135
57 64	255+1020	145+1060	153+1100	158+1140	161+1180	172+1220	176+1260	183
57 64	256+1300	190+1340	195+1380	203+1420	212+1460	222+1500	227+1540	235
57 64	257+1580	234+1620	250+1660	255+1700	255+1740	259+1780	263+1820	265
57 64	258+1860	265+1900	267+1940	264				
57 64	291740220	740 44	294		+ 120+ 178+ 140+ 185+ 160+ 185+ 180+ 215			
57 64	292+200	183+220	125+200	82+300	43+340	10+380	35+420	39
57 64	293+400	31+500	32+540	35+580	55+620	82+660	107+700	143
57 64	294+740	158+780	163+820	168+860	185+900	190+940	184+980	184
57 64	295+1020	165+1060	144+1100	135+1140	131+1180	141+1220	161+1260	180
57 64	296+1300	195+1340	210+1380	225+1420	231+1460	235+1500	245+1540	253
57 64	297+1580	258+1620	264+1660	264+1700	275+1740	294+1780	284+1820	282
57 64	298+1860	280+1900	282+1940	275				
57 64	311740342	1430 44	285		+ 120+ 178+ 140+ 185+ 160+ 185+ 180+ 216			
57 64	312+200	181+220	125+200	81+300	40+340	25+380	2+420	41
57 64	313+400	35+500	35+540	44+580	53+620	77+660	82+700	125
57 64	314+740	154+780	148+820	175+860	181+900	179+940	184+980	175
57 64	315+1020	161+1060	155+1100	146+1140	127+1180	124+1220	144+1260	163
57 64	316+1300	193+1340	21+1380	210+1420	224+1460	233+1500	237+1540	240
57 64	317+1580	252+1620	257+1660	264+1700	270+1740	271+1780	285+1820	283
57 64	318+1860	275+1900	274+1940	273				

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